

2006 GENERAL MOTORS

Lucerne

BUZZERS, RELAYS & TIMERS

BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
A/C (Relay R11)	In underhood fuse block. See Fig. 77 .
AIR PUMP (Relay R9)	In underhood fuse block. See Fig. 77 .
AIR/SOL (Relay R12)	In underhood fuse block. See Fig. 77 .
COOL/FAN (Relay R2)	In underhood fuse block. See Fig. 77 .
COOL/FAN 1 (Relay R1)	In underhood fuse block. See Fig. 77 .
COOL/FAN 2 (Relay R7)	In underhood fuse block. See Fig. 77 .
CRNK (Relay R3)	In underhood fuse block. See Fig. 77 .
DR LCK (Relay R9)	In rear fuse block. See Fig. 78 .
DR UNLATCH (Relay R8)	In rear fuse block. See Fig. 78 .
DR UNLCK (Relay R10)	In rear fuse block. See Fig. 78 .
ELC CMPRSR (Relay R15)	In rear fuse block. See Fig. 78 .
FRT HVAC BLWR (Relay R5)	In rear fuse block. See Fig. 78 .
FUEL/PUMP (Relay R7)	In rear fuse block. See Fig. 78 .
OVRHD LAMPS (Relay R11)	In rear fuse block. See Fig. 78 .
PRK LAMP (Relay R2)	In rear fuse block. See Fig. 78 .
PWR/TRAIN (Relay R4)	In underhood fuse block. See Fig. 77 .
RAP (Relay R1)	In rear fuse block. See Fig. 78 .
REAR DEFOG (Relay R14)	In rear fuse block. See Fig. 78 .
RT PRK LAMP (Relay R4)	In rear fuse block. See Fig. 78 .
RUN/CRNK (Relay R6)	In underhood fuse block. See Fig. 77 .
RUN (Relay R3)	In rear fuse block. See Fig. 78 .
SPARE (Relay R5)	In underhood fuse block. See Fig. 77 .
SPARE (Relay R13)	In rear fuse block. See Fig. 78 .
STOP LAMPS (Relay R12)	In rear fuse block. See Fig. 78 .
TRUNK RELSE (Relay R6)	In rear fuse block. See Fig. 78 .
WPR HI (Relay R10)	In underhood fuse block. See Fig. 77 .
WPR (Relay R8)	In underhood fuse block. See Fig. 77 .

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Fuse Block - Rear	Below left side of rear seat. See Fig. 34 .
Fuse Block - Underhood	On right front of engine compartment, forward of strut tower. See Fig. 54 .

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
Blower Motor Control Module	Near blower motor. See Fig. 39 .
Body Control Module (BCM)	Right of glove box. See Fig. 15 .
Electronic Brake Control Module (EBCM)	Left front corner of engine compartment. See Fig. 1 .
Electronic Suspension Control (ESC) Module	Behind right wheelwell. See Fig. 9 .
Engine Control Module (ECM)	Left side of engine compartment. See Fig. 24 .
Ignition Coil/Module 1, 3, 5 & 7	Top right side of engine. See Fig. 29 .
Ignition Coil/Module 2	Top left side of engine. See Fig. 29 .
Ignition Coil/Module 4, 6 & 8	Top left side of engine. See Fig. 28 .
Ignition Control Module	At left front of engine, under ignition coils. See Fig. 23 .
Inflatable Restraint I/P Module	Right side of dash. See Fig. 47 .
Inflatable Restraint Passenger Presence System (PPS) Module	Under front passenger's seat. See Fig. 49 .
Inflatable Restraint Roof Rail Module (Left)	Left roof rail. See Fig. 46 .
Inflatable Restraint Roof Rail Module (Right)	Right roof rail. See Fig. 46 .
Inflatable Restraint Side Impact Module (Left)	Left side of driver's seat back. See Fig. 50 .
Inflatable Restraint Side Impact Module (Right)	Right side of front passenger's seat back. See Fig. 49 .
Inflatable Restraint Steering Wheel Module	In steering wheel. See Fig. 47 .

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

Memory Seat Module	On underside of driver's seat, on seat adjuster frame. See Fig. 50 .
Object Alarm Module (UFR)	On right rear wheelwell. See Fig. 44 .
Remote Control Door Lock Receiver (RCDLR)	Under center of rear package shelf. See Fig. 14 .
Seat Back Ventilation Heat & Cool Module (Driver)	Right side of driver's seat back. See Fig. 50 .
Seat Cushion Ventilation Heat & Cool Module (Driver)	Under right side of driver's seat. See Fig. 50 .
Sunroof Control Module	Rear of sunroof opening. See Fig. 46 .
Theft Deterrent Module (TDM)	In steering column. See Fig. 31 .
Throttle Actuator Control (TAC) Module	On throttle body assembly. See Fig. 21 .
Vehicle Communication Interface Module (VICM)	On right front of trunk, attached to seat back brace. See Fig. 14 .
Windshield Heated Washer Fluid Module	Right side of firewall. See Fig. 52 .

MOTORS

MOTORS LOCATION

Component	Location
Air Temperature Actuator	Right side of HVAC module. See Fig. 39 .
Air Temperature Actuator (Driver)	Left side of HVAC module. See Fig. 40 .
Air Temperature Actuator (Front Passenger)	Right side of HVAC module. See Fig. 40 .
Blower Motor	Behind right side of dash. See Fig. 39 .
Cooling Fan (Left)	On left rear side of radiator. See Fig. 30 .
Cooling Fan (Right)	On right rear side of radiator. See Fig. 30 .
Door Latch Assembly (Driver)	Rear of driver's door. See Fig. 16 .
Door Latch Assembly (Front Passenger)	Rear of front passenger's door. See Fig. 17 .
Door Latch Assembly (Left Rear)	Rear of left rear door. See Fig. 18 .
Door Latch Assembly (Right Rear)	Rear of right rear door. See Fig. 19 .
Fuel Pump & Sender Assembly	Top of fuel tank. See Fig. 25 .
Mode Actuator	On right side of HVAC module. See Fig. 39 .
Outside Rear View Mirror (Driver)	In driver's door. See Fig. 16 .
Outside Rear View Mirror (Front Passenger)	In front passenger's door. See Fig. 17 .
Rear Compartment Lid Latch	Center rear of luggage compartment. See Fig.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

	<u>12</u> .
Recirculation Actuator	Behind right side of dash, right of blower motor. See Fig. 39 .
Seat Adjuster Motor Assembly (Driver)	Below driver seat. See Fig. 50 .
Seat Adjuster Motor Assembly (Front Passenger)	Below front passenger's seat. See Fig. 49 .
Seat Lumbar Massage Motor (Driver)	In driver's seat back. See Fig. 50 .
Seat Lumbar Motor (Driver)	In driver's seat back. Fig. 50 .
Seat Recline Motor (Driver)	In driver's seat back. See Fig. 50 .
Starter	Top rear of engine. See Fig. 28 .
Starter Motor	Lower left rear of engine. See Fig. 23 .
Sunroof Motor	Rear of sunroof opening. See Fig. 46 .
Telescoping Actuator	Bottom left side of steering column. See Fig. 31 .
Tilt Actuator	Bottom right side of steering column. See Fig. 31 .
Variable Effort Steering Actuator	Left rear of engine compartment. See Fig. 2 .
Window Motor (Driver)	In driver's door. See Fig. 16 .
Window Motor (Front Passenger)	In front passenger's door. See Fig. 17 .
Window Motor (Left Rear)	In left rear door. See Fig. 18 .
Window Motor (Right Rear)	In right rear door. See Fig. 19 .
Windshield Washer Fluid Pump	Bottom of windshield washer fluid reservoir. See Fig. 52 .
Windshield Wiper Motor	On left side of firewall. See Fig. 52 .

SENDING UNITS & SENSORS

SENDING UNITS & SENSORS LOCATION

Component	Location
Accelerator Pedal Position (APP) Sensor	Top of accelerator pedal assembly. See Fig. 4 .
A/C Refrigerant Pressure Sensor	Near A/C compressor, on hose assembly. See Fig. 38 .
Air Temperature Sensor (Inside)	Under left side of dash, left of steering column. Fig. 3 .
	On center front of engine compartment, on

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

Ambient Air Temperature Sensor	hood latch brace.
Automatic Transmission Fluid Temperature (TFT) Sensor	In transmission. See Fig. 11 .
Automatic Transmission Input Shaft Speed (A/T ISS) Sensor Assembly	In transmission. See Fig. 10 .
Automatic Transmission Input (Shaft) Speed Sensor (ISS)	In transmission. See Fig. 11 .
Battery Current Sensor	Below right side of rear seat. See Fig. 34 .
Brake Pedal Position Sensor	Top of brake pedal assembly. See Fig. 4 .
Camshaft Position (CMP) Sensor (3.8L)	On right front of engine. See Fig. 21 .
Camshaft Position (CMP) Sensor (4.6L)	On right front of engine. See Fig. 29 .
Crankshaft Position (CKP) Sensor (3.8L)	On left front of engine, next to crankshaft balancer. See Fig. 21 .
Crankshaft Position (CKP) Sensor (4.6L)	Top center of engine. See Fig. 29 .
Engine Coolant Temperature (ECT) Sensor (3.8L)	Left rear of engine. See Fig. 23 .
Engine Coolant Temperature (ECT) Sensor (4.6L)	Right rear of engine. See Fig. 26 .
Engine Oil Pressure (EOP) Sensor (3.8L)	Near oil filter. See Fig. 21 .
EVAP Temperature Sensor	Left of blower motor. See Fig. 39 .
Fuel Tank Pressure (FTP) Sensor Connector	On fuel pump & sender assembly. See Fig. 25 .
Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1	On right exhaust manifold. See Fig. 26 .
Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1	In left exhaust manifold. See Fig. 27 .
Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2	On exhaust system, rear of catalytic converter. See Fig. 26 .
Heated Oxygen Sensor (HO2S) 1	On right exhaust manifold. Fig. 22 .
Inflatable Restraint Front End Sensor (Left)	Left front of engine compartment. See Fig. 30 .
Inflatable Restraint Front End Sensor (Right)	Right front of engine compartment. See Fig. 30 .
Inflatable Restraint Passenger Presence System (PPS) Sensor	Under right side of front passenger's seat. See Fig. 49 .
Inflatable Restraint Passenger Seat Belt	Bottom of respective "B" pillar. See Fig. 48 .

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

Tension Retractor Sensor (Left/Right)	
Inflatable Restraint Seat Position Sensor (SPS) (Right)	On front passenger's seat left seat rail. See <u>Fig. 49</u> .
Inflatable Restraint Side Impact Sensor (Left/Right)	Base of respective "B" pillar. See <u>Fig. 46</u> .
Knock Sensor (KS) 1 (3.8L)	On left side of engine, near starter. See <u>Fig. 23</u> .
Knock Sensor (KS) 1 (4.6L)	Top right side of engine. See <u>Fig. 29</u> .
Knock Sensor (KS) 2 (3.8L)	On right side of engine, below exhaust manifold. See <u>Fig. 22</u> .
Knock Sensor (KS) 2 (4.6L)	Top left side of engine. See <u>Fig. 28</u> .
Manifold Absolute Pressure (MAP) Sensor (3.8L)	On top front of engine. See <u>Fig. 21</u> .
Manifold Absolute Pressure (MAP) Sensor (4.6L)	On top rear of engine. See <u>Fig. 28</u> .
Mass Airflow (MAF)/Intake Air Temperature (IAT) Sensor	Left side of engine compartment, in air intake tube.
Object Alarm Sensor (Left Rear Corner)	On left corner of rear bumper fascia. <u>Fig. 37</u> .
Object Alarm Sensor (Left Rear Middle)	On left middle of rear bumper fascia. <u>Fig. 37</u> .
Object Alarm Sensor (Right Rear Corner)	On right corner of rear bumper fascia. See <u>Fig. 37</u> .
Object Alarm Sensor (Right Rear Middle)	On right middle of rear bumper fascia. See <u>Fig. 37</u> .
Outside Moisture Sensor	Above rearview mirror on windshield. See <u>Fig. 53</u> .
Steering Angle Sensor	Base of steering column. See <u>Fig. 31</u> .
Sunload Twilight Sensor	Top center of dash. See <u>Fig. 3</u> .
Suspension Position Sensor (Left Front)	On shock absorber assembly. See <u>Fig. 20</u> .
Suspension Position Sensor (Left Rear)	On left rear frame rail. See <u>Fig. 8</u> .
Suspension Position Sensor (Right Front)	On shock absorber assembly. See <u>Fig. 20</u> .
Suspension Position Sensor (Right Rear)	On right rear frame rail. See <u>Fig. 8</u> .
Transmission Fluid Temperature (TFT) Sensor	In transmission. See <u>Fig. 10</u> .
Vehicle Speed Sensor (VSS)	In transmission. See <u>Fig. 11</u> .
Vehicle Speed Sensor (VSS) Assembly	In lower right rear of engine compartment, on transaxle. See <u>Fig. 10</u> .

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

Wheel Speed Sensor (WSS) (Left Front)	On left front brake assembly, on back of hub. See Fig. 6 .
Wheel Speed Sensor (WSS) (Left Rear)	On left rear brake assembly, on back of hub. See Fig. 7 .
Wheel Speed Sensor (WSS) (Right Front)	On right front brake assembly, on back of hub. See Fig. 6 .
Wheel Speed Sensor (WSS) (Right Rear)	On right rear brake assembly, on back of hub. See Fig. 7 .
Yaw & Lateral Acceleration Sensor	On Floor Pan, Left Of Center Console. See Fig. 5 .

SOLENOIDS & SOLENOID VALVES

SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor Clutch	On A/C compressor. See Fig. 32 .
A/T Shift Lock Control Solenoid (Except Floor Shift)	Right side of steering column. See Fig. 31 .
A/T Shift Lock Control Solenoid (Floor Shift)	Base of floor shifter assembly. See Fig. 45 .
Evaporative Emission (EVAP) Canister Vent Solenoid Valve	Below rear of vehicle, on EVAP canister. See Fig. 25 .
Evaporative Emissions (EVAP) Canister Purge Solenoid Valve	On top right rear of engine. See Fig. 22 .
Exhaust Gas Recirculation (EGR) Valve (3.8L)	On top right rear of engine. See Fig. 22 .
Exhaust Gas Recirculation (EGR) Valve (4.6L)	On top right rear of engine. See Fig. 55 .
Fuel Injectors 1, 3 & 5 (3.8L)	Top left side of engine. See Fig. 23 .
Fuel Injectors 1, 3, 5 & 7 (4.6L)	Top right side of engine. See Fig. 29 .
Fuel Injectors 2, 4 & 6 (3.8L)	Top right side of engine. See Fig. 22 .
Fuel Injectors 4, 6 & 8 (4.6L)	Top left side of engine. See Fig. 28 .
Fuel Injector 2 (4.6L)	Top left side of engine. See Fig. 29 .
Pressure Control (PC) Solenoid Valve Assembly	In transmission. See Fig. 10 .
Pressure Control Solenoid (PCS) Valve	In transmission. See Fig. 11 .

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

Reverse Lockout Solenoid	Base of floor shifter assembly. See Fig. 45 .
Starter Solenoid (3.8L)	Lower left rear of engine. See Fig. 23 .
Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Assembly	Inside transmission. See Fig. 10 .
Torque Converter Clutch (TCC) Solenoid Valve	In transmission. See Fig. 11 .
1-2 & 2-3 Shift Solenoid (1-2 SS) (2-3 SS) Valves	In transmission. See Fig. 11 .
1-2, 3-4 Shift Solenoid (SS) Valve Assembly	In transmission. See Fig. 10 .
2-3 Shift Solenoid (SS) Valve Assembly	In transmission. See Fig. 10 .

SWITCHES

SWITCHES LOCATION

Component	Location
Brake Fluid Level Switch	On master cylinder reservoir. See Fig. 1 .
Engine Oil Level Switch (3.8L)	Left side of oil pan. Fig. 23 .
Engine Oil Level Switch (4.6L)	Left side of oil pan. See Fig. 33 .
Engine Oil Pressure (EOP) Switch	Near oil filter. See Fig. 27 .
Hood Ajar Switch	Center front of engine compartment. See Fig. 42 .
Ignition Key Alarm Switch	In steering column. See Fig. 31 .
Internal Mode Switch (IMS)	In transmission. See Fig. 11 .
Lever Assembly-Manual Shaft Detent With Shift Position Switch - Internal Mode Switch (IMS)	In transmission. Fig. 10 .
Park Brake Switch	On top of park brake assembly. See Fig. 4 .
Seat Belt Switch Connector (Driver)	In left front seat buckle assembly. See Fig. 51 .
Transmission Fluid Pressure (TFP) Manual Valve Position Switch Assembly	In transmission. See Fig. 10 .
Windshield Washer Fluid Level Switch	Bottom of windshield washer fluid reservoir. See Fig. 52 .

MISCELLANEOUS

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

MISCELLANEOUS LOCATION

Component	Location
Amplifier	Mounted to left rear of rear seat. See Fig. 14 .
Automatic Level Control (ALC) Compressor	Rear underside of vehicle. See Fig. 8 .
Battery	Below rear seat. See Fig. 34 .
Battery Negative Ground	Bolted to left side of engine block. See Fig. 33 .
Cellular Microphone	In overhead console. See Fig. 13 .
Cellular Navigation & Digital Radio Antenna	Center rear of roof. See Fig. 37 .
Data Link Connector (DLC)	Under left side of dash. Fig. 3 .
Digital Radio Receiver (DRR)	At left "D" pillar. See Fig. 36 .
Engine Coolant Heater	Left side of engine. See Fig. 32 .
Garage Door Opener Transmitter	In overhead console. See Fig. 13 .
Generator (3.8L)	Top right front of engine. See Fig. 32 .
Generator (4.6L)	Top left front of engine. See Fig. 33 .
Global Positioning System (GPS) Antenna	Under top center of dash. See Fig. 43 .
Horn Assembly	Left front of engine compartment. See Fig. 41 .
Inflatable Restraint Steering Wheel Module Coil	Top of steering column. See Fig. 31 .
Noise Compensation Microphone	In overhead console. See Fig. 13 .
Radio Antenna Module	At right "D" pillar. See Fig. 35 .
Rear Window Antenna	At right "D" pillar. See Fig. 35 .
Roof Rail Airbag (Left)	Left center of roof. See Fig. 46 .
Roof Rail Airbag (Right)	Right center of roof. See Fig. 46 .
Suspension Damper (Left Front)	On left front shock absorber assembly. See Fig. 20 .
Suspension Damper (Left Rear)	On left rear shock absorber assembly. See Fig. 8 .
Suspension Damper (Right Front)	On right front shock absorber assembly. See Fig. 20 .
Suspension Damper (Right Rear)	On right rear shock absorber assembly. See Fig. 8 .

CONNECTORS

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

CONNECTORS LOCATION

Component	Location
C100 (Dark Gray, 4 Pin)	Left rear of engine compartment. See <u>Fig. 66</u> .
C108 (Black, 1 Pin)	Rear of engine compartment.
C109 (Black, 2 Pin)	Left front corner of engine.
C110 (Black, 8 Pin)	Right front of engine.
C111 (Black, 38 Pin)	Left rear of engine compartment. See <u>Fig. 66</u> .
C113 (Black, 6 Pin)	Left front corner of vehicle. See <u>Fig. 61</u> .
C114 (Black, 6 Pin)	Right front corner of vehicle. See <u>Fig. 61</u> .
C120 (Black, 10 Pin)	Right front corner of vehicle. See <u>Fig. 61</u> .
C121 (Black, 12 Pin)	Near front of vehicle.
C124 (Black, 1 Pin)	Under right rear seat. See <u>Fig. 67</u> .
C138 (Black, 10 Pin)	Rear of engine. See <u>Fig. 64</u> .
C139 (Black, 7 Pin)	Top left rear of engine. See <u>Fig. 62</u> .
C140 (Black, 7 Pin)	Top right front of engine. See <u>Fig. 64</u> .
C161 (Dark Gray, 2 Pin)	Rear of engine. See <u>Fig. 64</u> .
C200 (Black, 43 Pin)	Behind right end of dash. <u>Fig. 65</u> .
C201 (Black, 43 Pin)	Behind right end of dash. See <u>Fig. 65</u> .
C202 (Brown, 16 Pin)	Under front of floor console. See <u>Fig. 67</u> .
C203 (Black, 40 Pin)	Behind center of dash. <u>Fig. 65</u> .
C205 (Light Gray, 40 Pin)	Under center of dash. See <u>Fig. 67</u> .
C206 (White, 6 Pin)	Behind right side of dash. See <u>Fig. 67</u> .
C207 (Yellow, 4 Pin)	At base of steering column.
C208 (Gray, 6 Pin)	Behind right end of dash. See <u>Fig. 65</u> .
C219 (Black, 3 Pin)	Behind center of dash. See <u>Fig. 65</u> .
C300 (14 Pin)	Left kick panel.
C301 (14 Pin)	Right kick panel. See <u>Fig. 67</u> .
C304 (Yellow, 2 Pin)	In roof headliner.
C305 (Yellow, 2 Pin)	In roof headliner.
C308 (Gray, 4 Pin)	At rear underside of vehicle.
C309 (Black, 7 Pin)	Near fuel tank.
C311 (2 Pin)	Left side of passenger compartment.
C312 (Yellow, 2 Pin)	Right side of passenger compartment.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

C314 (Black, 43 Pin)	Under front passenger's seat. See Fig. 67 .
C315 (Black, 43 Pin)	Under driver's seat.
C316 (Yellow, 4 Pin)	Under front of floor console. See Fig. 67 .
C321 (Black, 38 Pin)	Left side of luggage compartment. Fig. 68 .
C325 (Gray, 30 Pin)	Right kick panel. See Fig. 67 .
C326 (Black, 30 Pin)	Right kick panel. See Fig. 67 .
C328 (Black/Natural, 34 Pin)	Left rear of passenger compartment.
C330 (Black/Natural, 34 Pin)	Right rear of passenger compartment.
C340 (Black, 14 Pin)	Under front of floor console. See Fig. 67 .
C341 (Black, 14 Pin)	Lower front of center console.
C397 (Light Gray, 3 Pin)	Top of right rear wheelwell. See Fig. 68 .
C399 (Light Gray, 10 Pin)	Top of right "C" pillar. See Fig. 75 .
C445 (Black, 18 Pin)	Top of left rear wheelwell. Fig. 68 .
C492 (Gray, 3 Pin)	Right rear of luggage compartment. See Fig. 68 .
C493 (Gray, 3 Pin)	Left rear of luggage compartment. See Fig. 68 .
C494 (Black, 10 Pin)	Behind right side of rear bumper. See Fig. 76 .
C495 (Black, 2 Pin)	Rear of vehicle.
C497 (Light Gray, 6 Pin)	In luggage compartment.
C498 (Gray, 4 Pin)	Left rear corner of vehicle. See Fig. 68 .
C499 (Gray, 4 Pin)	Right rear of luggage compartment. See Fig. 68 .
C501 (Black, 38 Pin)	In driver's door. See Fig. 69 .
C601 (Black, 38 Pin)	In front passenger's door. See Fig. 70 .
C700 (Black, 12 Pin)	In left rear door. See Fig. 71 .
C800 (Black, 12 Pin)	In right rear door. See Fig. 72 .

GROUNDS

GROUNDS LOCATION

Component	Location
G100	Below exhaust gas recirculation (EGR) valve. See Fig. 55 .

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

G101	Left front corner of engine compartment. See <u>Fig. 56</u> .
G104	Right front corner of engine compartment. See <u>Fig. 54</u> .
G110	Ground strap to generator.
G111	In engine compartment, ground strap to right frame rail.
G112	Lower left rear of engine. See <u>Fig. 57</u> .
G114	Lower left rear of engine. See <u>Fig. 57</u> .
G115	Lower left rear of engine. See <u>Fig. 57</u> .
G300	Under driver's seat. See <u>Fig. 60</u> .
G301	Under left rear seat.
G302	Under right front passenger's seat. See <u>Fig. 60</u> .
G303	Below right side of rear seat. See <u>Fig. 34</u> .
G304	Under right front passenger's seat. See <u>Fig. 60</u> .
G305	Under driver's seat. See <u>Fig. 60</u> .
G306	At left "C" pillar. See <u>Fig. 58</u> .
G307	At right "C" pillar. See <u>Fig. 59</u> .
G402	Left rear of luggage compartment. See <u>Fig. 68</u> .
G403	Right front wall of luggage compartment. See <u>Fig. 59</u> .

SPLICES

SPLICES LOCATION

Component	Location
SP100	In front of engine compartment.
SP300	In passenger compartment under rear seat near rear fuse block. See <u>Fig. 34</u> .
S100	In engine harness, approximately 80 cm (31 in) from underhood fuse block connector C3. See <u>Fig. 62</u> .
	In engine harness, approximately 7 cm (4 in)

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

S102	from branch for C139 toward breakout for C138. See <u>Fig. 64</u> .
S104	In engine harness, approximately 13 cm (5 in) from breakout for C138.
S105	In engine harness, approximately 14 cm (6 in) from branch for throttle body assembly. See <u>Fig. 62</u> .
S106	In engine harness, approximately 7 cm (3 in) from branch for throttle body assembly. See <u>Fig. 62</u> .
S107	In forward lamp harness, approximately 8 cm (4 in) from branch for distance sensing cruise control module.
S108	In engine harness, approximately 10 cm (4 in) from breakout for automatic transmission.
S109	In engine harness, approximately 3 cm (1 in) from branch for C139.
S110	In engine harness, approximately 6 cm (2 in) from branch for engine coolant temperature (ECT) sensor. See <u>Fig. 64</u> .
S111	In engine harness, approximately 41 cm (16 in) from underhood fuse block connector C3. See <u>Fig. 62</u> .
S113	In engine harness, approximately 53 cm (21 in) from left front wheel speed sensor. See <u>Fig. 63</u> .
S114	In engine harness, approximately 47 cm (19 in) from right front wheel speed sensor. See <u>Fig. 63</u> .
S115	In engine harness, approximately 59 cm (24 in) from left front wheel speed sensor. See <u>Fig. 64</u> .
S116	In engine harness, approximately 53 cm (21 in) from right front wheel speed sensor. See <u>Fig. 64</u> .
S122	In forward lamp harness, approximately 7 cm (3 in) from breakout for horn assembly.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

S123	In forward lamp harness, approximately 36 cm (14 in) from C114.
S124	In forward lamp harness, approximately 26 cm (11 in) from C114. See Fig. 61 .
S125	In forward lamp harness, approximately 8 cm (4 in) from breakout for C120. See Fig. 61 .
S126	In body harness, approximately 60 cm (24 in) from left front strut actuator. See Fig. 66 .
S127	In body harness, approximately 65 cm (25 in) from left front strut actuator.
S128	In body harness, approximately 60 cm (24 in) from right front strut actuator. See Fig. 66 .
S129	In body harness, approximately 65 cm (25 in) from right front strut actuator. See Fig. 66 .
S131	In even bank ignition coil harness, between C139 & Ignition Coil/Module 8.
S133	In even bank ignition coil harness, between C139 & Ignition Coil/Module 2.
S135	In even bank ignition coil harness, between C139 & Ignition Coil/Module 8.
S142	In odd bank ignition coil harness, between C140 & Ignition Coil/Module 7.
S146	In odd bank ignition coil harness, between C140 & Ignition Coil/Module 7.
S200	In I/P harness, approximately 6 cm (2 in) from branch for HVAC module. See Fig. 65 .
S201	In steering column harness, between C203 & ignition switch connector.
S202	In I/P harness, approximately 7 cm (3 in) from branch for hazard lamp switch. Fig. 65 .
S203	In I/P harness, approximately 36 cm (14 in) from breakout for HVAC module. Fig. 65 .
S204	In steering column harness, between C205 & turn signal/multifunction switch connector C4.
S205	In HVAC harness, between C206 & blower motor control module.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

S206	In I/P harness, approximately 10 cm (4 in) from breakout for I/P compartment lamp. See <u>Fig. 65</u> .
S207	In I/P harness, approximately 17 cm (7 in) from data link connector. See <u>Fig. 65</u> .
S208	In I/P harness, approximately 12 cm (5 in) from data link connector. See <u>Fig. 65</u> .
S209	In HVAC harness between C206 & blower motor control module.
S210	In I/P harness, approximately 41 cm (16 in) from branch for hazard lamp switch. See <u>Fig. 65</u> .
S211	In I/P harness, approximately 28 cm (11 in) from breakout for body control module connector. <u>Fig. 65</u> .
S212	In I/P harness, approximately 21 cm (8 in) from branch for hazard lamp switch toward branch for HVAC module. See <u>Fig. 65</u> .
S213	In I/P harness, approximately 13 cm (5 in) from breakout for HVAC module. <u>Fig. 65</u> .
S214	In I/P harness, approximately 17 cm (6 in) from breakout for body control module connector.
S219	In steering column harness, between horn switch & inflatable restraint steering wheel module coil.
S220	In steering column harness, between cruise control on/off switch & inflatable restraint steering wheel module coil.
S221	In ashtray harness, approximately 8 cm (3 in) from breakout for cigar lighter.
S222	In I/P harness, approximately 15 cm (6 in) from C201.
S223	In I/P harness, approximately 15 cm (6 in) from breakout for radio coax connector.
S224	Inside of heated steering wheel.
S225	Inside of heated steering wheel.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

S226	In HVAC harness, between HVAC control module & mode motors.
S227	In HVAC harness, between evaporator temperature sensor & C202.
S228	In HVAC harness, between auxiliary blower motor control module & auxiliary blower motor.
S229	In IP harness, between C201 & C202. <u>Fig. 65</u> .
S301	In body harness, approximately 14 cm (6 in) from breakout for yaw & lateral acceleration sensor.
S302	In body harness, approximately 19 cm (8 in) from breakout for G301. See <u>Fig. 67</u> .
S303	In body harness, between rear fuse block & video display.
S305	In left front seat harness, approximately 8 cm (4 in) from breakout for inflatable restraint seat position sensor. See <u>Fig. 73</u> .
S306	In right front seat harness, approximately 7 cm (3 in) from breakout for passenger seat belt switch. See <u>Fig. 74</u> .
S307	In center console harness, approximately 6 cm (2 in) from breakout for A/T shift lock control solenoid.
S312	In headliner harness, approximately 10 cm (4 in) from branch for C321. See <u>Fig. 75</u> .
S314	In body harness, approximately 9 cm (4 in) from breakout for G301.
S315	In center console harness, approximately 10 cm (4 in) from breakout for A/T shift lock control solenoid.
S316	In body harness, approximately 5 cm (2 in) from breakout for electronic suspension control module. See <u>Fig. 68</u> .
S317	In body harness, approximately 64 cm (26 in) from branch for battery current sensor. <u>Fig.</u>

68 .

S322	In right front seat harness, approximately 7 cm (3 in) from breakout for passenger seat adjuster switch toward C314.
S323	In body harness, approximately 15 cm (6 in) from branch for rear fuse block. <u>Fig. 68</u> .
S324	In body harness, approximately 5 cm (2 in) from breakout for right inflatable restraint roof rail module. See <u>Fig. 68</u> .
S325	In body harness, approximately 7 cm (3 in) from breakout for battery current sensor.
S326	In body harness, approximately 12 cm (5 in) from breakout for battery current sensor.
S328	In headliner harness, approximately 20 cm (8 in) from branch for C321. See <u>Fig. 75</u> .
S329	In body harness, approximately 14 cm (6 in) from breakout for C325.
S330	In headliner harness, between sunroof control module & C397.
S331	In IP harness, between body control module & front door courtesy lamps.
S333	In body harness, approximately 35 cm (14 in) from breakout for left inflatable restraint side impact sensor. See <u>Fig. 67</u> .
S334	In headliner harness, approximately 10 cm (4 in) from breakout for right front vanity mirror lamp. See <u>Fig. 75</u> .
S335	In body harness, approximately 31 cm (12 in) from branch for C314.
S336	In body harness, approximately 19 cm (8 in) from breakout for yaw & lateral acceleration sensor.
S337	In body harness, approximately 15 cm (6 in) from branch for battery current sensor. See <u>Fig. 67</u> .
S338	In sunroof harness, between C399 & sunroof control module.

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

S343	In body harness, approximately 9 cm (3 in) from branch for C314. See Fig. 67 .
S347	In left front seat harness, approximately 8 cm (4 in) from inline connector C315. See Fig. 67 .
S348	In right front seat harness, approximately 114 cm (45 in) from passenger seat adjuster switch connector. See Fig. 74 .
S349	In left front seat harness, approximately 8 cm (4 in) from breakout for auxiliary power outlet connector. See Fig. 73 .
S350	In body harness, approximately 7 cm (3 in) from branch for C315.
S351	In left front seat harness, approximately 14 cm (6 in) from breakout for driver seat adjuster motor. See Fig. 73 .
S352	In left front seat harness, approximately 7 cm (3 in) from breakout for inflatable restraint seat position sensor. See Fig. 73 .
S355	In driver seat harness, approximately 10 cm (4 in) from driver seat adjuster motor connector. See Fig. 73 .
S356	In driver seat harness, approximately 9 cm (4 in) from driver seat cushion ventilation heat & cool module connector. See Fig. 73 .
S357	In right front seat harness, approximately 7 cm (3 in) from passenger seat cushion ventilation heat & cool module connector. See Fig. 74 .
S358	In right front seat harness, approximately 7 cm (3 in) from breakout for passenger seat cushion ventilation heat & cool module. See Fig. 74 .
S359	In driver seat harness, between driver position module & left front cushion heated seat element. See Fig. 73 .
S360	In right front seat harness, between C314 & left front cushion heated seat element. See

2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne

<u>Fig. 74</u>	
S361	In body harness, between C300 & amplifier.
S362	In body harness, between C300 & amplifier.
S363	In body harness, between C301 & amplifier.
S364	In body harness, between C301 & amplifier.
S365	In body harness, approximately 5 cm (2 in) from audio amplifier connector C1. <u>Fig. 68</u> .
S366	In body harness, approximately 10 cm (4 in) from audio amplifier connector C1. <u>Fig. 68</u> .
S369	In center console harness, approximately 10 cm (4 in) from breakout for cigar lighter.
S370	In body harness, approximately 42 cm (17 in) from breakout for yaw & lateral acceleration sensor. See <u>Fig. 67</u> .
S371	In driver seat harness, approximately 10 cm (4 in) from seat belt switch.
S372	In body harness, approximately 5 cm (2 in) from breakout for audio amplifier connector C1. <u>Fig. 68</u> .
S373	In body harness, approximately 47 cm (19 in) from branch for battery current sensor.
S374	In body harness, approximately 10 cm (4 in) from branch for rear fuse block.
S375	In body harness, approximately 5 cm (2 in) from breakout for C301. See <u>Fig. 67</u> .
S376	In body harness, approximately 55 cm (22 in) from breakout for C301. See <u>Fig. 67</u> .
S377	In body harness, approximately 15 cm (6 in) from breakout for C206.
S378	In body harness, approximately 19 cm (8 in) from breakout for C300. See <u>Fig. 67</u> .
S379	In body harness, approximately 9 cm (4 in) from breakout for C300. See <u>Fig. 67</u> .
S380	In body harness, approximately 69 cm (28 in) from branch for battery current sensor.
S381	In center console harness, approximately 8 cm (3 in) from breakout for A/T shift lock

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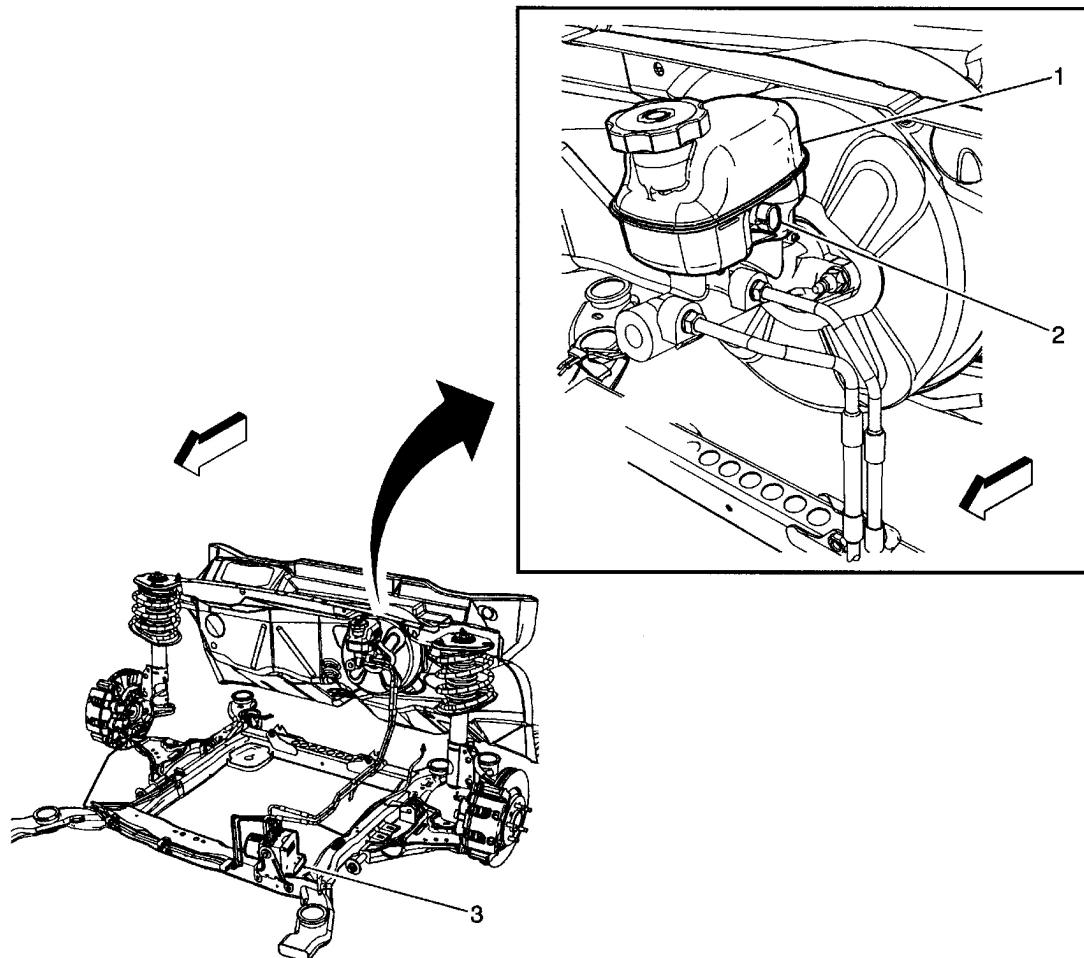
	control solenoid.
S383	In center console harness, between breakout for A/T shift lock control solenoid & breakout for auxiliary HVAC control module.
S384	In body harness, between rear fuse block & rear seat lumbar switches.
S385	In body harness, approximately 10 cm (4 in) from G306. See <u>Fig. 75</u> .
S400	In rear fascia harness, approximately 7 cm (3 in) from breakout for right middle object alarm sensor. See <u>Fig. 76</u> .
S401	In rear fascia harness, approximately 7 cm (3 in) from breakout for right middle object alarm sensor. See <u>Fig. 76</u> .
S402	In rear fascia harness, approximately 7 cm (3 in) from breakout for license lamps. See <u>Fig. 76</u> .
S404	In rear fascia harness, approximately 13 cm (5 in) from breakout for license lamps. See <u>Fig. 76</u> .
S500	In driver door harness, approximately 10 cm (4 in) from breakout for C501.
S600	In right front door harness, approximately 10 cm (4 in) from breakout for C601.
S700	In rear door harness, approximately 12 cm (5 in) from breakout for C700. See <u>Fig. 71</u> .
S701	In rear door trim harness, approximately 5 cm (2 in) from breakout for left rear door window switch.
S702	In rear door trim harness, approximately 8 cm (3 in) from left rear door window switch.
S800	In rear door harness, approximately 12 cm (5 in) from breakout for C800. See <u>Fig. 72</u> .
S801	In rear door trim harness, approximately 5 cm (2 in) from breakout for right rear door window switch.

S802

In rear door trim harness, approximately 8 cm
(3 in) from right rear door window switch.

COMPONENT LOCATION GRAPHICS

NOTE: Figures may show multiple component locations. Refer to appropriate table for proper figure references.

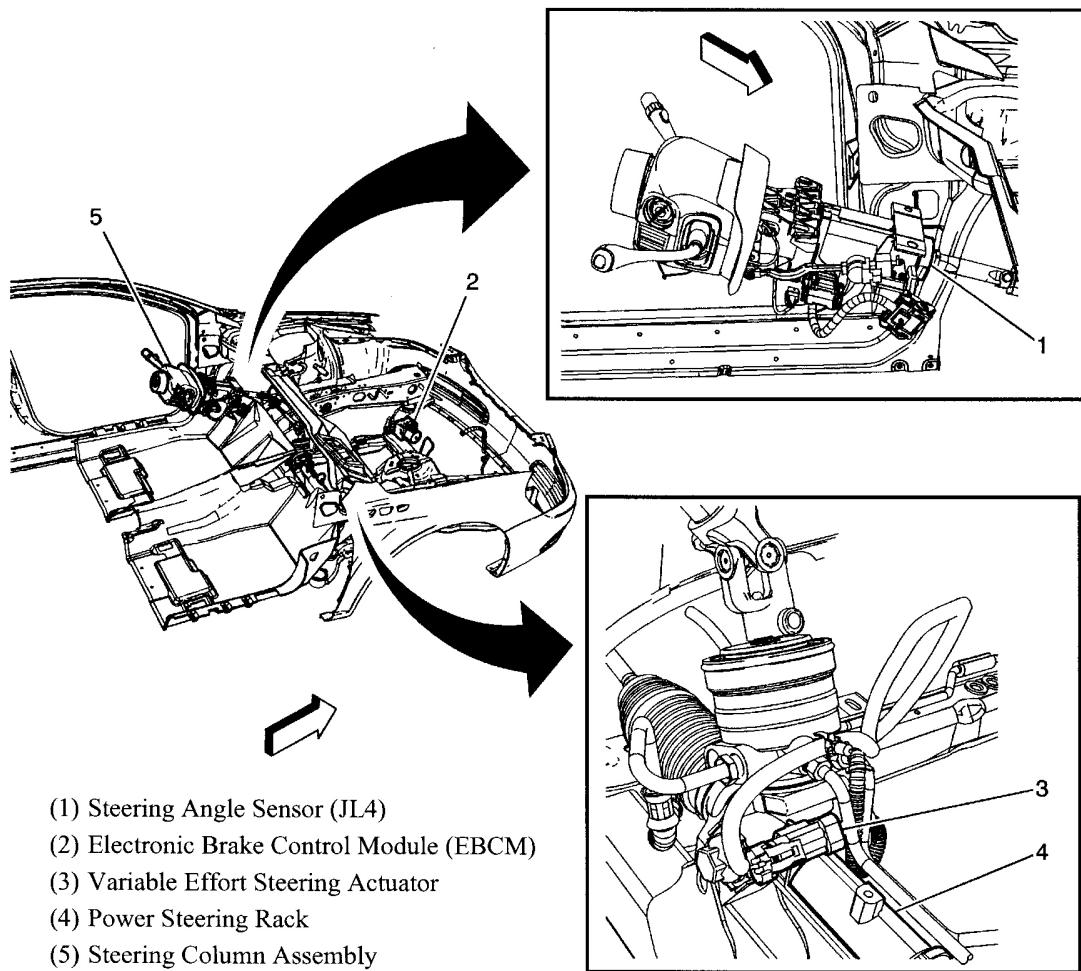


- (1) Master Cylinder Reservoir
- (2) Brake Fluid Level Switch
- (3) Electronic Brake Control Module (EBCM)

G00418501

Fig. 1: Engine Compartment

Courtesy of GENERAL MOTORS CORP.

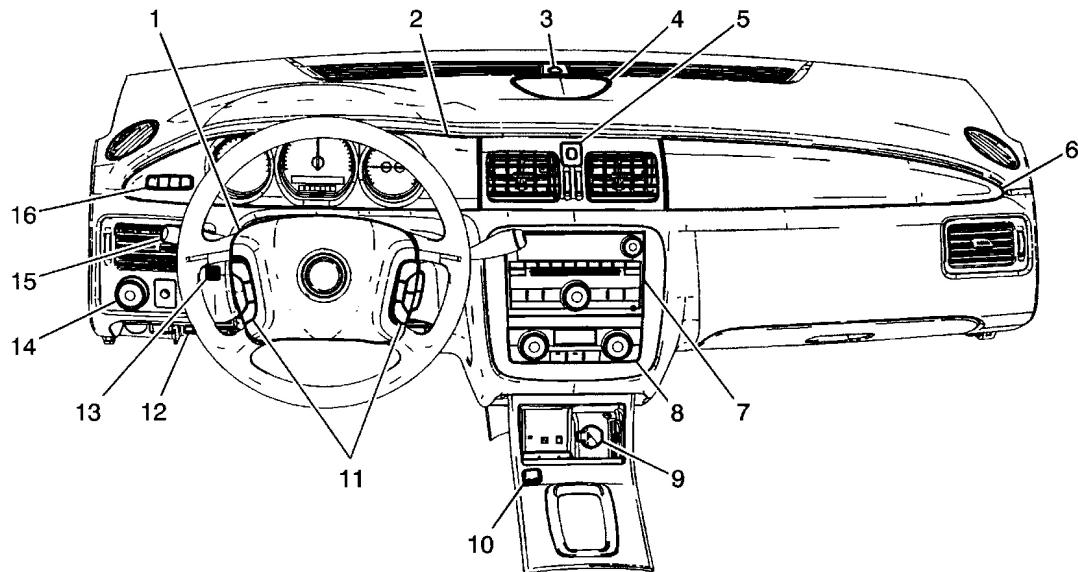


G00418502

Fig. 2: Power Steering Components
Courtesy of GENERAL MOTORS CORP.

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(1) Inflatable Restraint Steering Wheel Module	(11) Steering Wheel Controls
(2) Instrument Panel Cluster (IPC)	(12) Data Link Connector (DLC)
(3) Sunload Twilight Sensor	(13) Air Temperature Sensor-Inside
(4) Front Speaker	(14) Headlamp Dimmer Switch
(5) Hazard Switch	(15) Turn Signal/Multifunction Switch
(6) Inflatable Restraint I/P Module	(16) Driver Information Display Switch
(7) Radio	
(8) HVAC Control Module	
(9) Auxiliary Power Outlet-Console	
(10) Traction Control Switch	

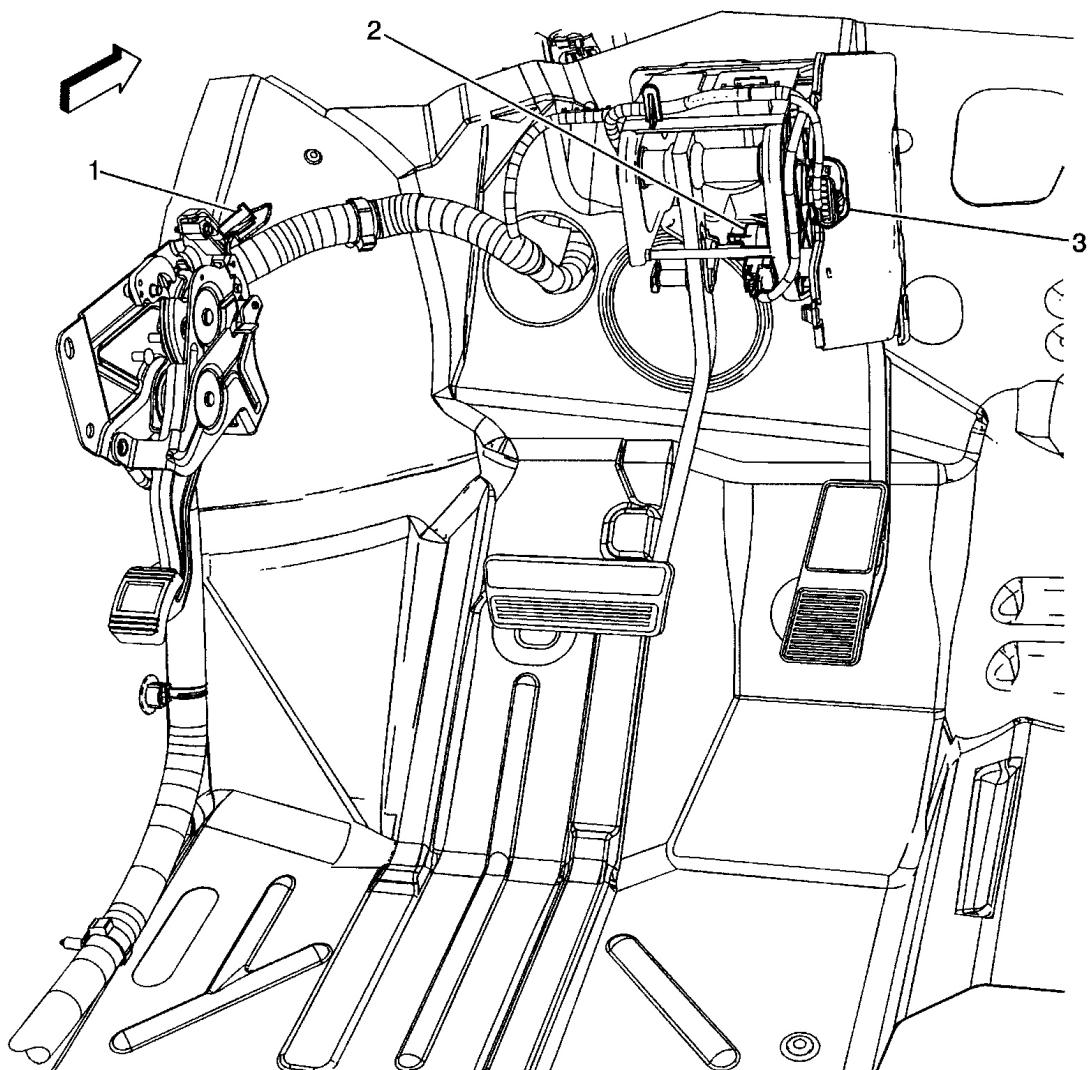
G00418503

Fig. 3: Front Of Dash

Courtesy of GENERAL MOTORS CORP.

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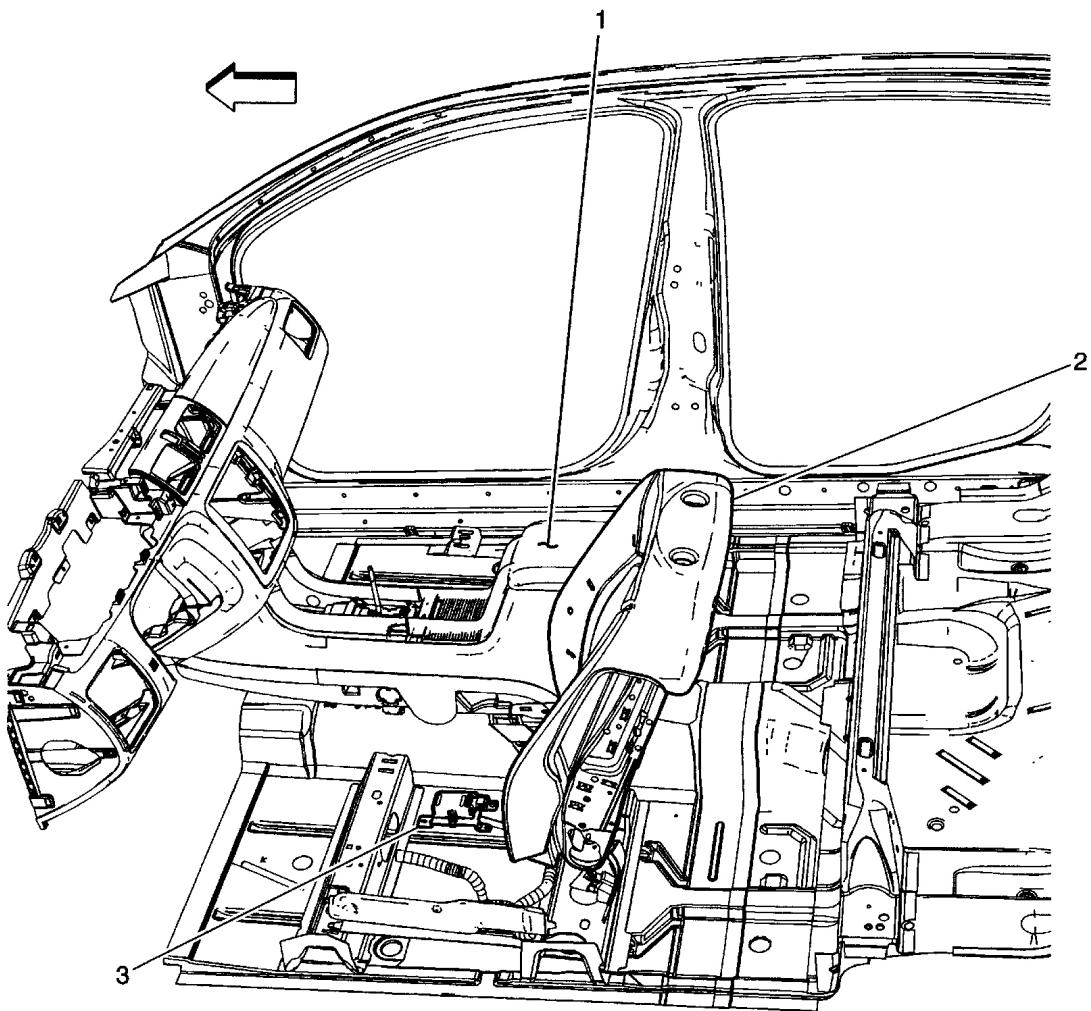
- (1) Park Brake Switch
- (2) Brake Pedal Position Sensor
- (3) Accelerator Pedal Position (APP) Sensor

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Fig. 4: Under Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.

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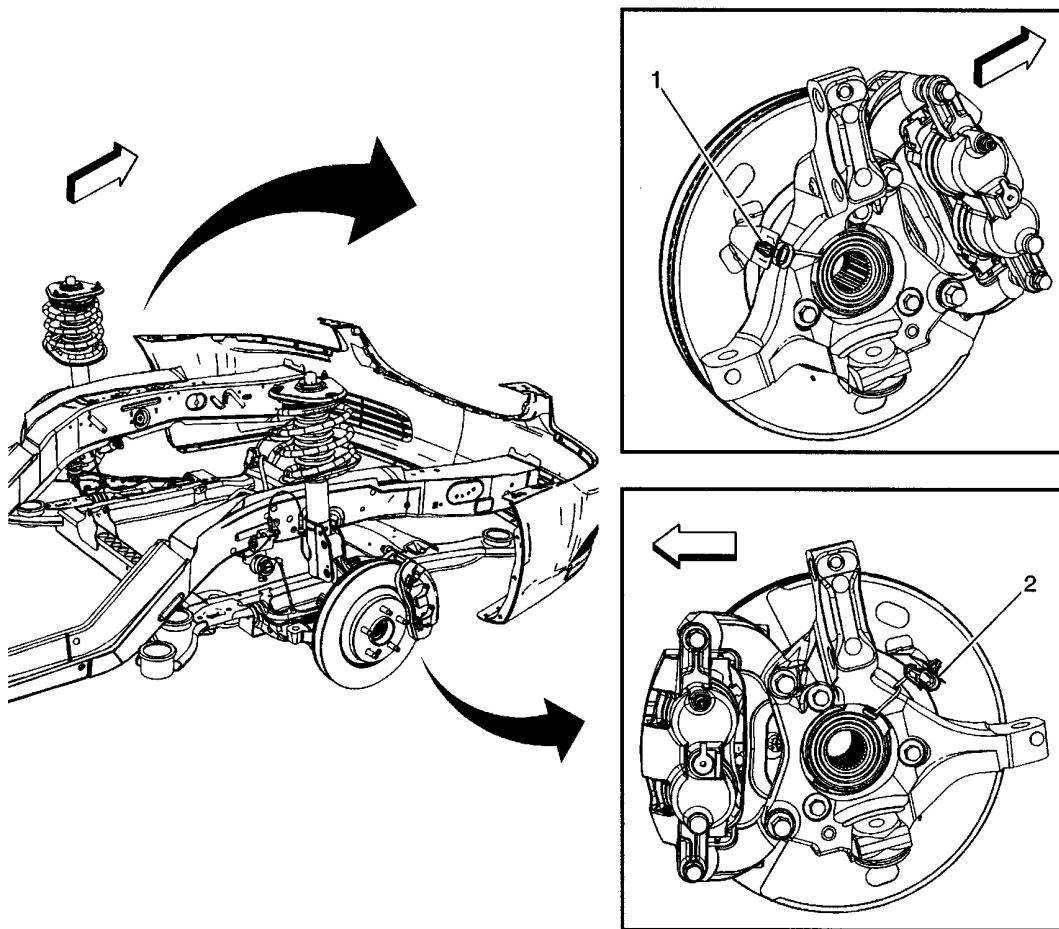
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- (1) Floor Console
- (2) Driver Seat Back Cushion
- (3) Yaw and Lateral Acceleration Sensor (JL4)

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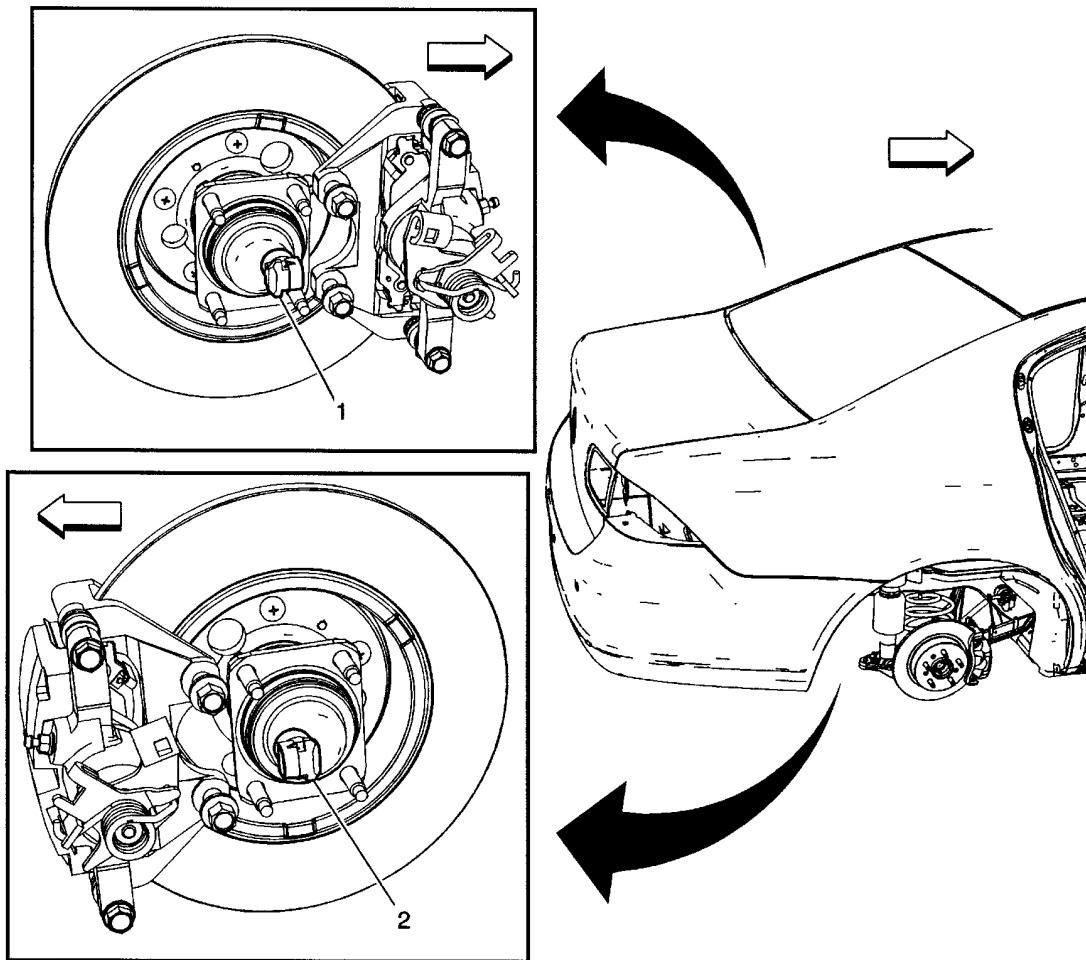
Fig. 5: Floor Pan, Left Of Center Console
Courtesy of GENERAL MOTORS CORP.



- (1) Wheel Speed Sensor (WSS)-LF
- (2) Wheel Speed Sensor (WSS)-RF
- (3) Front Fascia

G00418507

Fig. 6: Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.



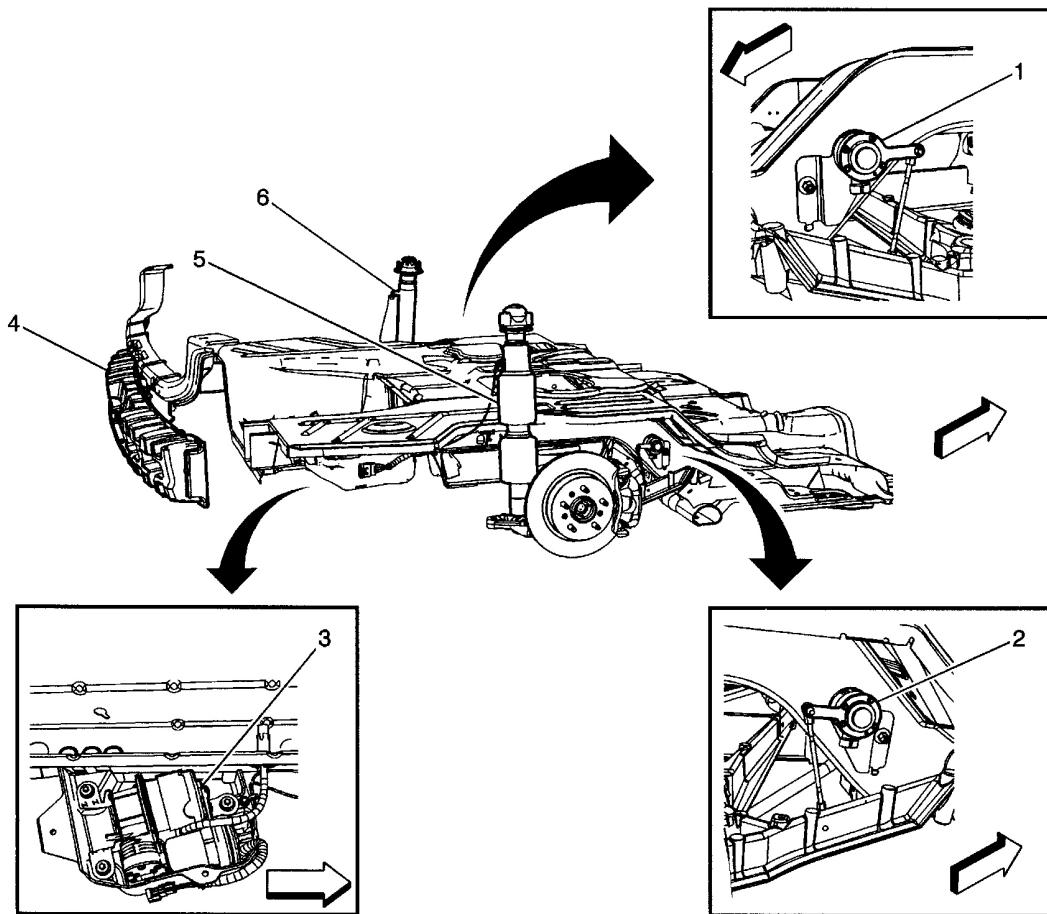
(1) Wheel Speed Sensor (WSS)-LR

(2) Wheel Speed Sensor (WSS)-RR

G00418508

Fig. 7: Rear Of Vehicle

Courtesy of GENERAL MOTORS CORP.



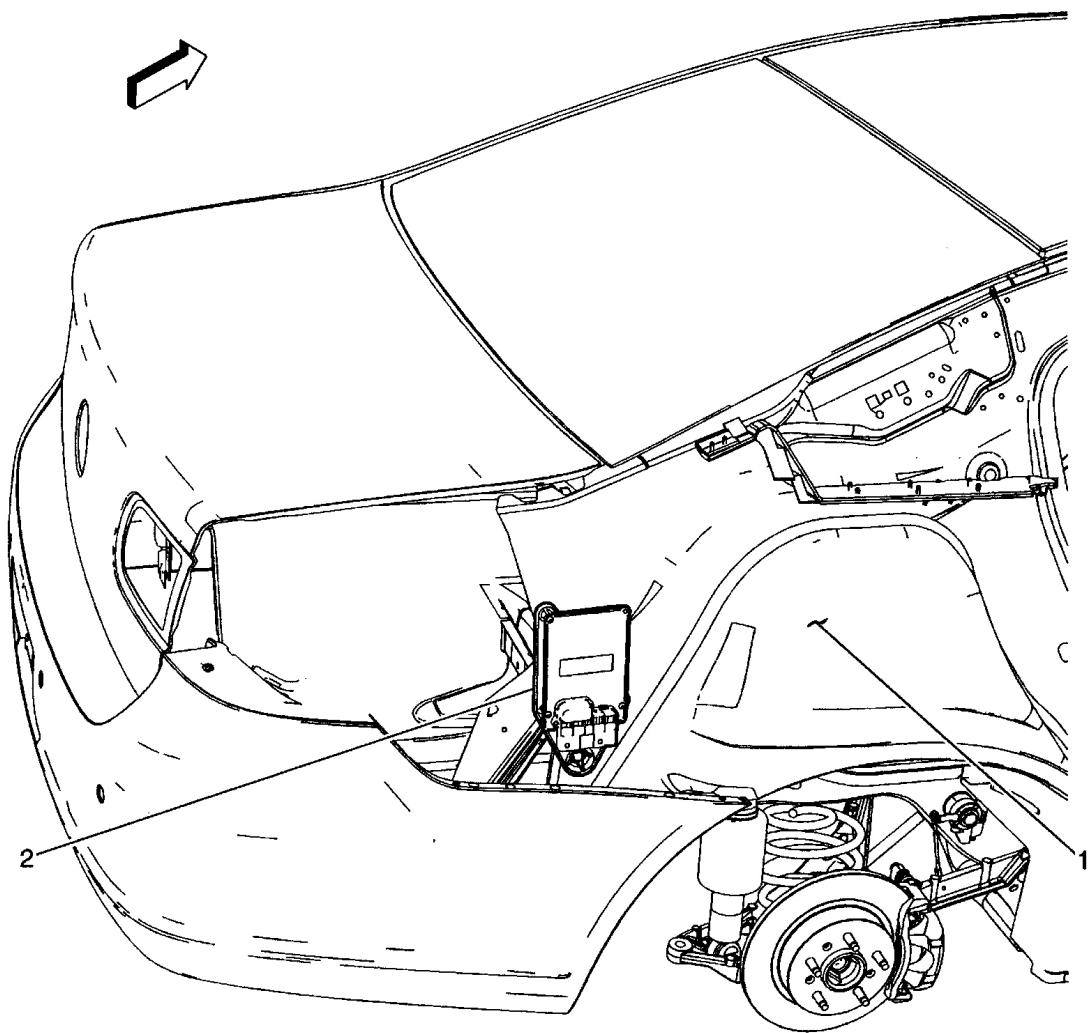
- (1) Suspension Position Sensor - LR (F55)
- (2) Suspension Position Sensor - RR (F55)
- (3) Automatic Level Control (ALC) Compressor (w/FE1, F55)
- (4) Rear Bumper
- (5) Suspension Damper - RR (F55)
- (6) Suspension Damper - LR (F55)

G00418509

Fig. 8: Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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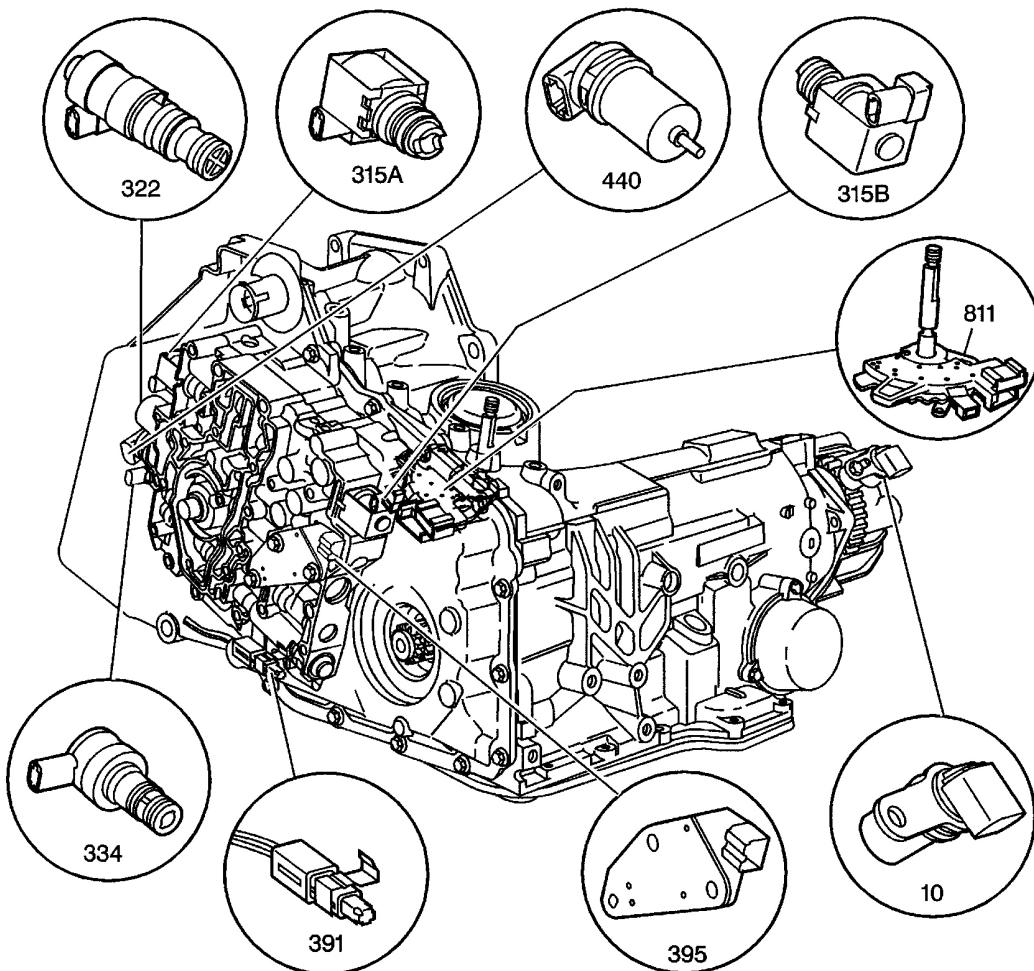
(1) Body Side Inner Panel-Right
(2) Electronic Suspension Control (ESC) Module (F55)

G00418510

Fig. 9: Right Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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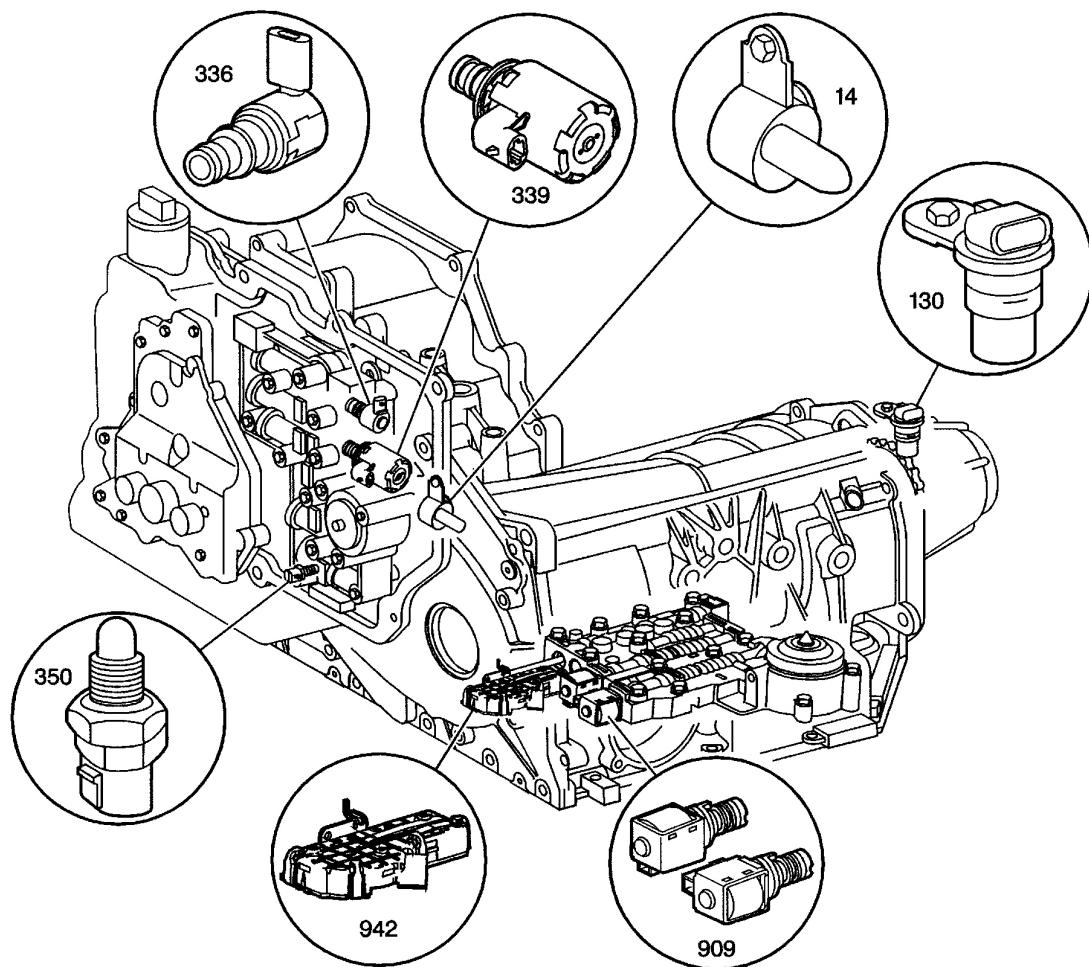
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- (10) Vehicle Speed Sensor (VSS) Assembly
- (315a) 1-2, 3-4 Shift Solenoid (SS) Valve Assembly
- (315b) 2-3 Shift Solenoid (SS) Valve Assembly
- (322) Pressure Control (PC) Solenoid Valve Assembly
- (334) Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Assembly
- (391) Transmission Fluid Temperature (TFT) Sensor
- (395) Transmission Fluid Pressure (TFP) Manual Valve Position Switch Assembly
- (440) Automatic Transmission Input Shaft Speed (A/T ISS) Sensor Assembly
- (811) Lever Assembly-Manual Shaft Detent with Shift Position Switch - Internal Mode Switch (IMS)

G00418511

Fig. 10: Automatic Transmission
Courtesy of GENERAL MOTORS CORP.



(14) Automatic Transmission Input (Shaft) Speed Sensor (ISS)

(130) Vehicle Speed Sensor (VSS)

(336) Torque Converter Clutch (TCC) Solenoid Valve

(339) Pressure Control Solenoid (PCS) Valve

(350) Automatic Transmission Fluid Temperature (TFT) Sensor

(909) 1-2 and 2-3 Shift Solenoid (1-2 SS) (2-3 SS) Valves

(942) Internal Mode Switch (IMS)

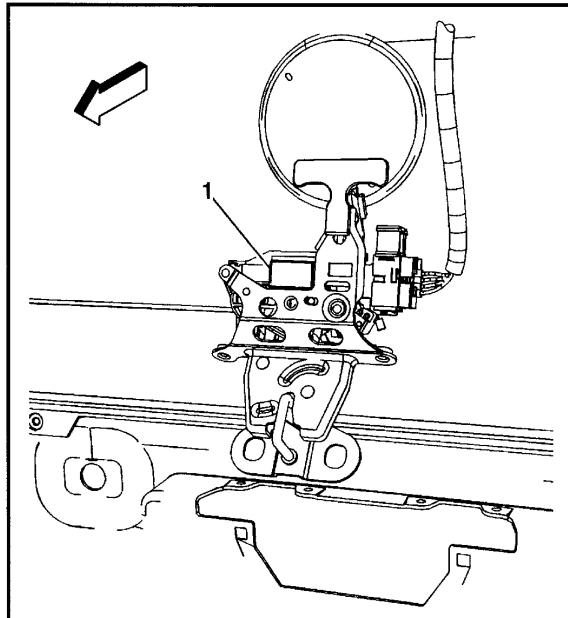
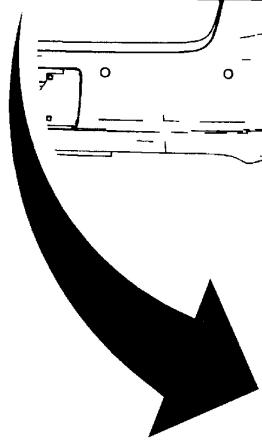
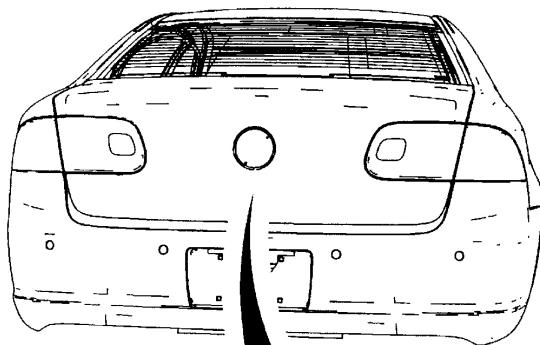
G00418193

Fig. 11: Automatic Transmission

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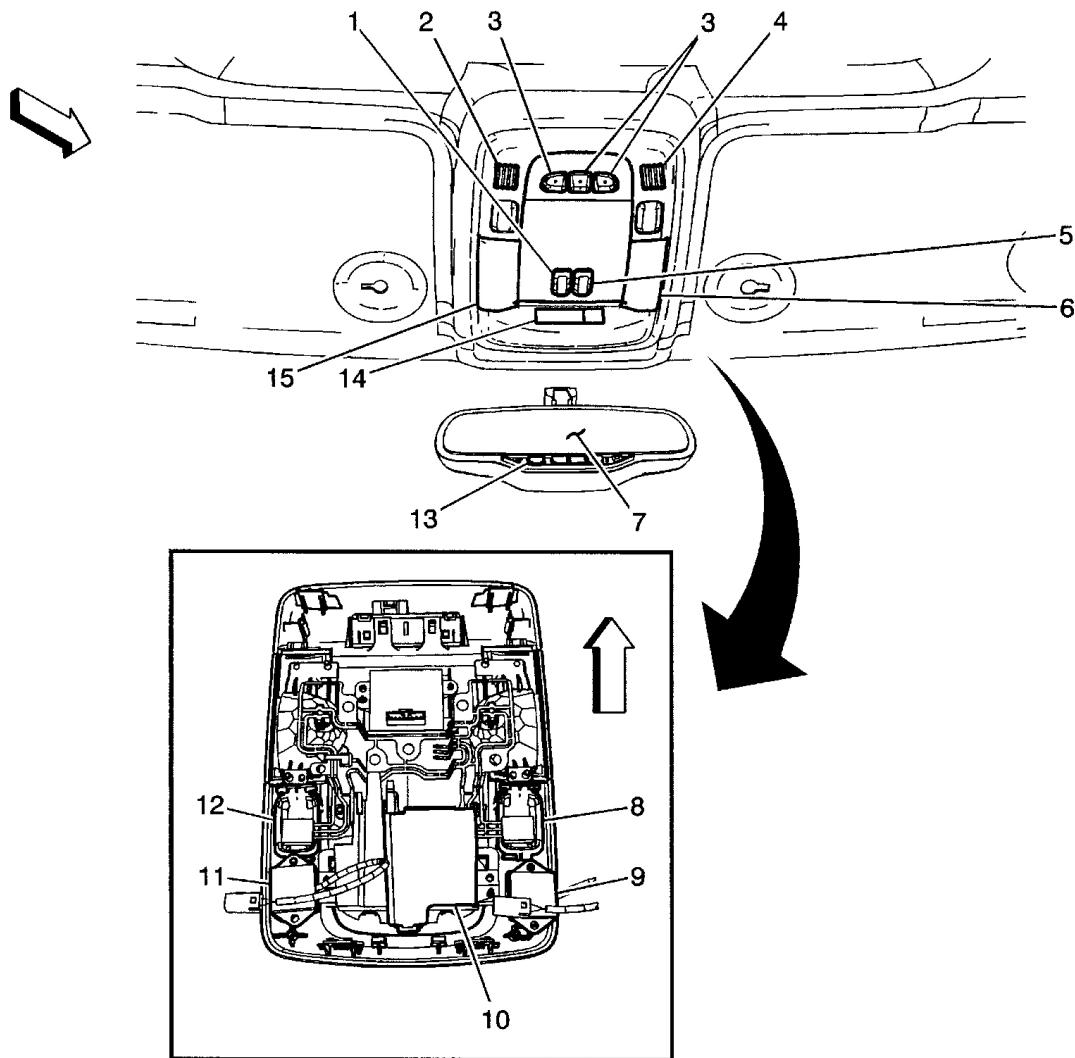
(1) Rear Compartment Lid Latch

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Fig. 12: Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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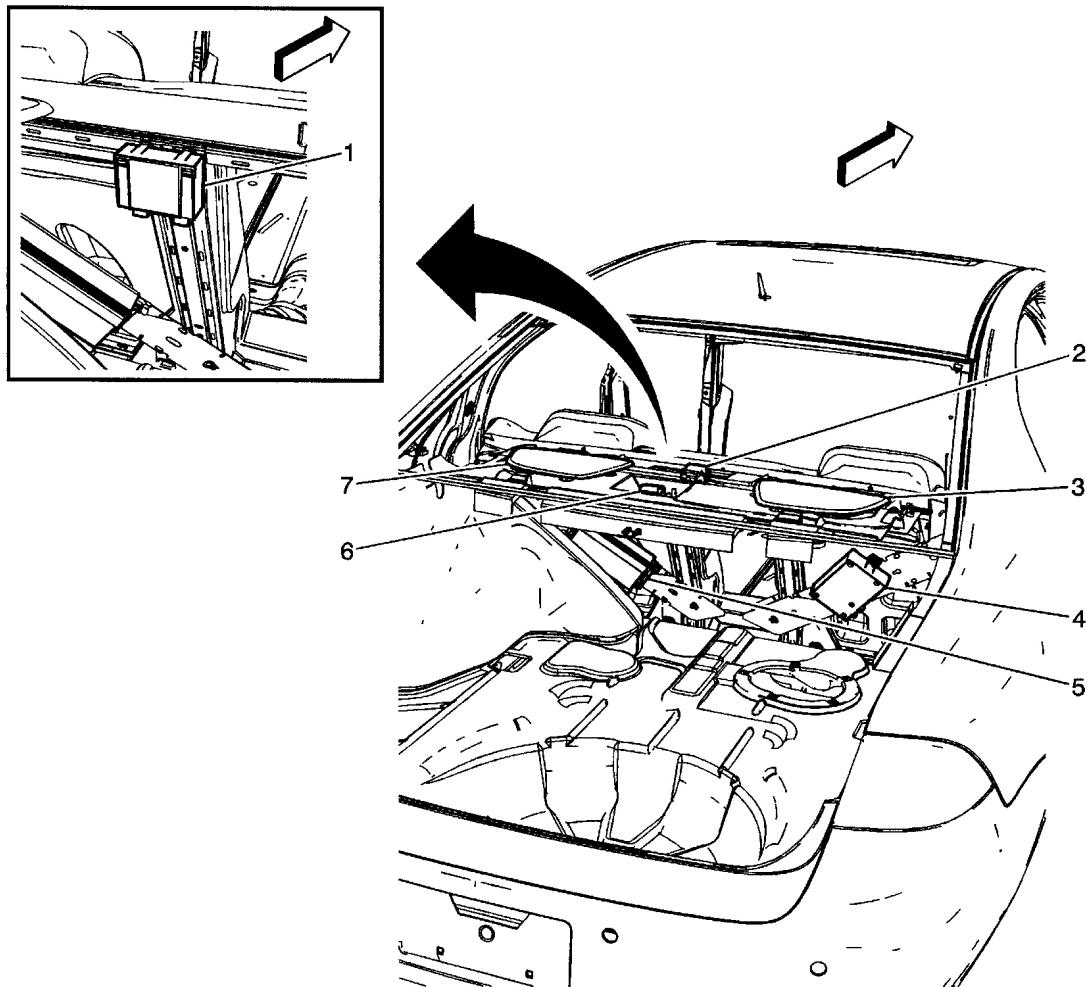
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- (1) Sunroof Switch-Open/Close (CF5)
- (2) Noise Compensation Microphone (UQA)
- (3) Garage Door Opener Buttons
- (4) Cellular Microphone (UE1)
- (5) Sunroof Switch-Vent (CF5)
- (6) Courtesy Lamp-Overhead Console-Right
- (7) Inside Rearview Mirror
- (8) Courtesy Lamp Switch-Right
- (9) Cellular Microphone (UE1)
- (10) Garage Door Opener Transmitter (UG1)

G00418195

Fig. 13: Inside Front Of Roof
Courtesy of GENERAL MOTORS CORP.



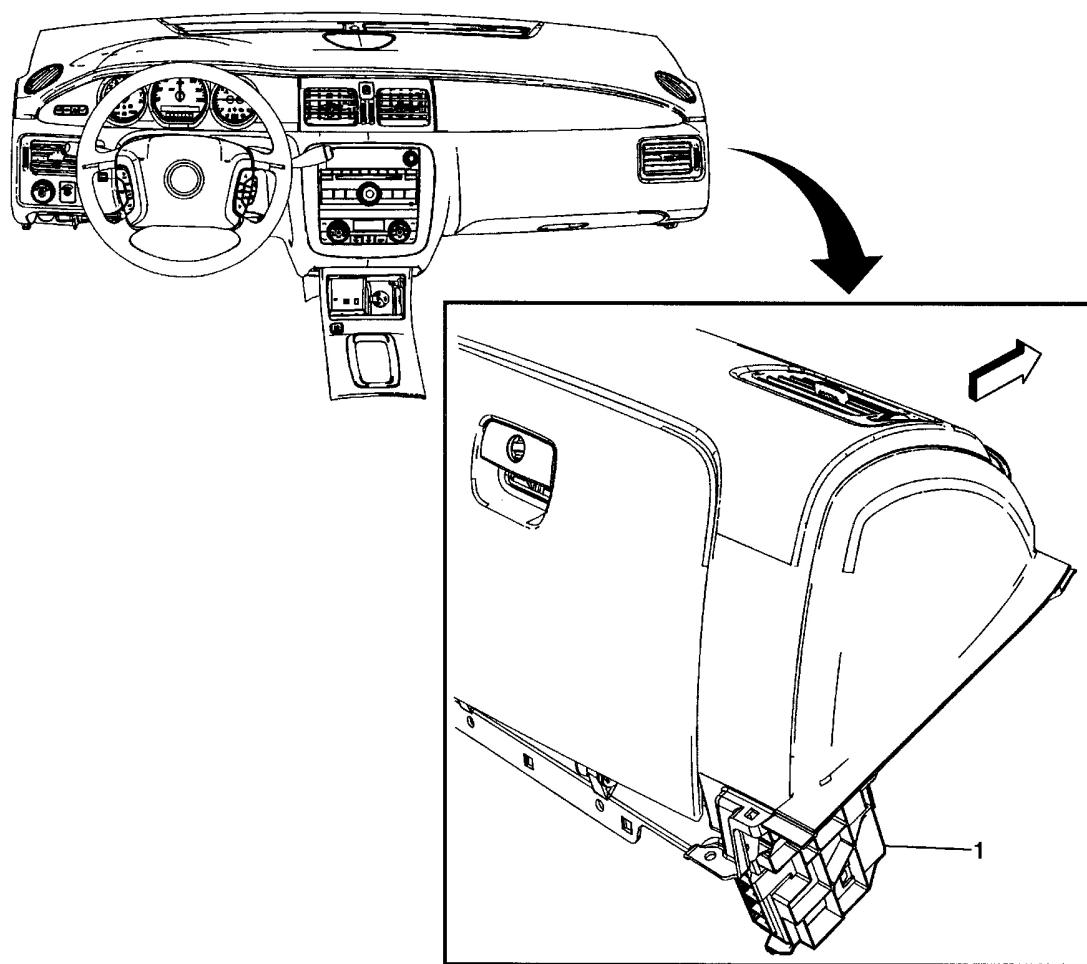
- (1) Remote Control Door Lock Receiver (RCDLR)
- (2) Rear Park Assist Indicator
- (3) Speaker - RR
- (4) Vehicle Communication Interface Module (VCIM) (UE1)
- (5) Amplifier
- (6) Rear Compartment Courtesy Lamp
- (7) Speaker - LR

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Fig. 14: Behind Rear Seat
Courtesy of GENERAL MOTORS CORP.

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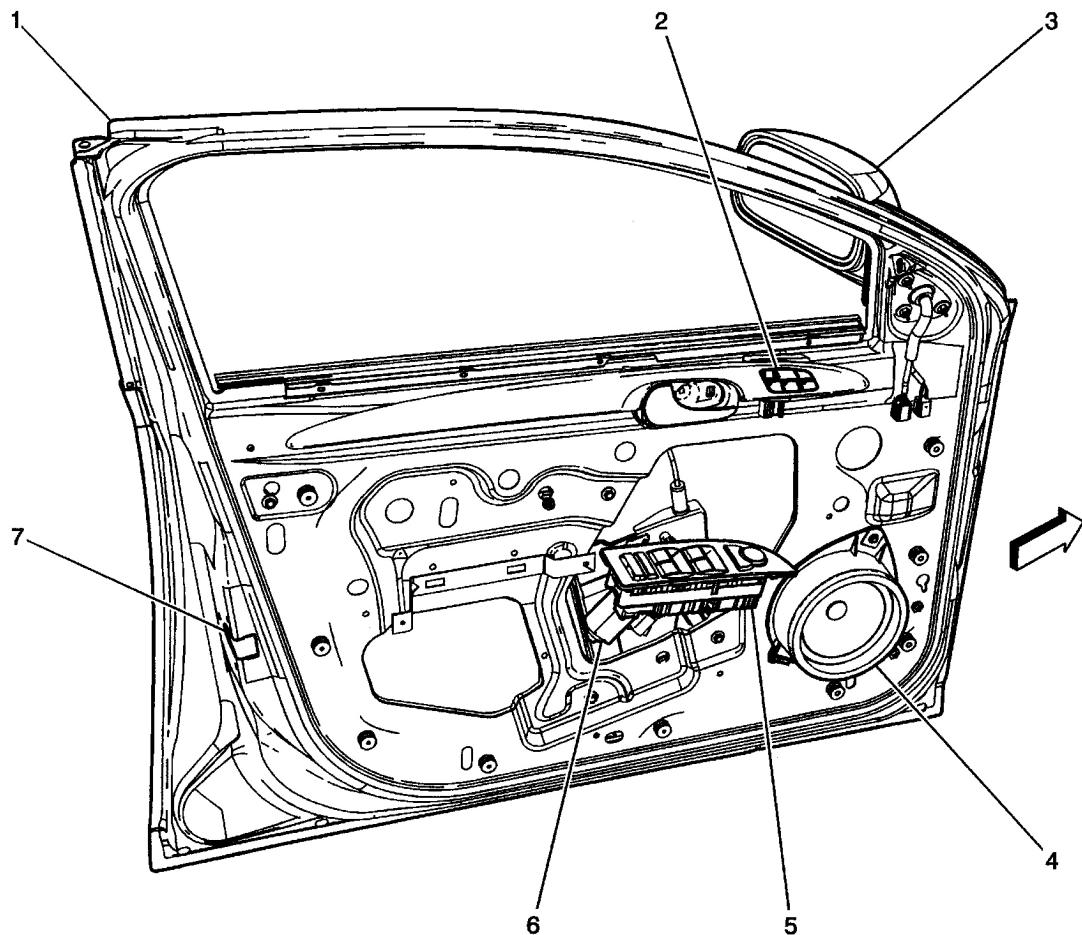
(1) Body Control Module (BCM)

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Fig. 15: Right Side Of Dash
Courtesy of GENERAL MOTORS CORP.

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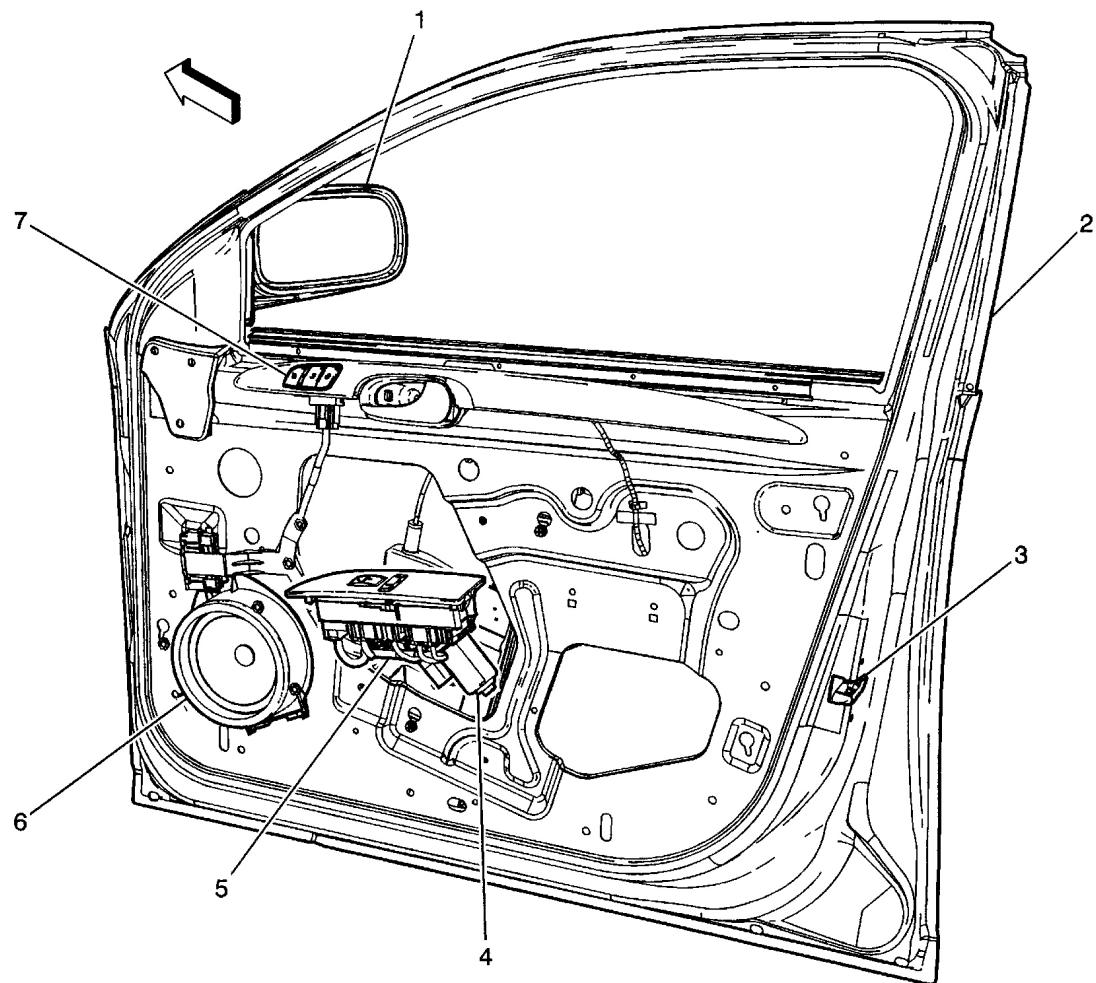
- (1) Door Frame
- (2) Seat Temperature Control Switch - Driver (KA1, KB6)
- (3) Outside Rearview Mirror - Driver
- (4) Speaker - LF Door
- (5) Driver Door Module (DDM)
- (6) Window Motor - Driver
- (7) Door Latch Assembly - Driver

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Fig. 16: Driver's Door
Courtesy of GENERAL MOTORS CORP.

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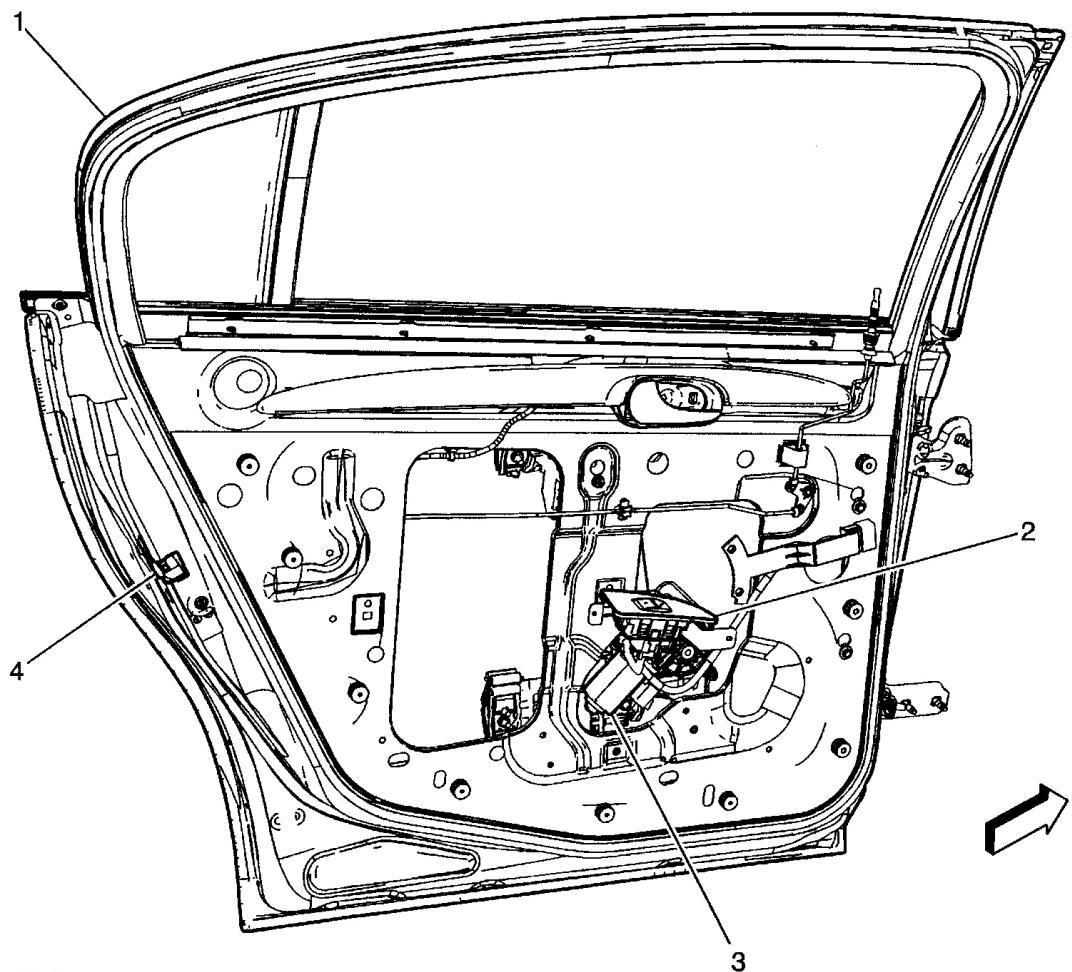
- (1) Outside Rearview Mirror - Passenger
- (2) Door Frame
- (3) Door Latch Assembly - Front Passenger
- (4) Window Motor - Driver
- (5) Front Passenger Door Module (FPDM)
- (6) Speaker - RF Door
- (7) Seat Temperature Control Switch - Front Passenger (KA1, KB6)

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Fig. 17: Front Passenger's Door
Courtesy of GENERAL MOTORS CORP.

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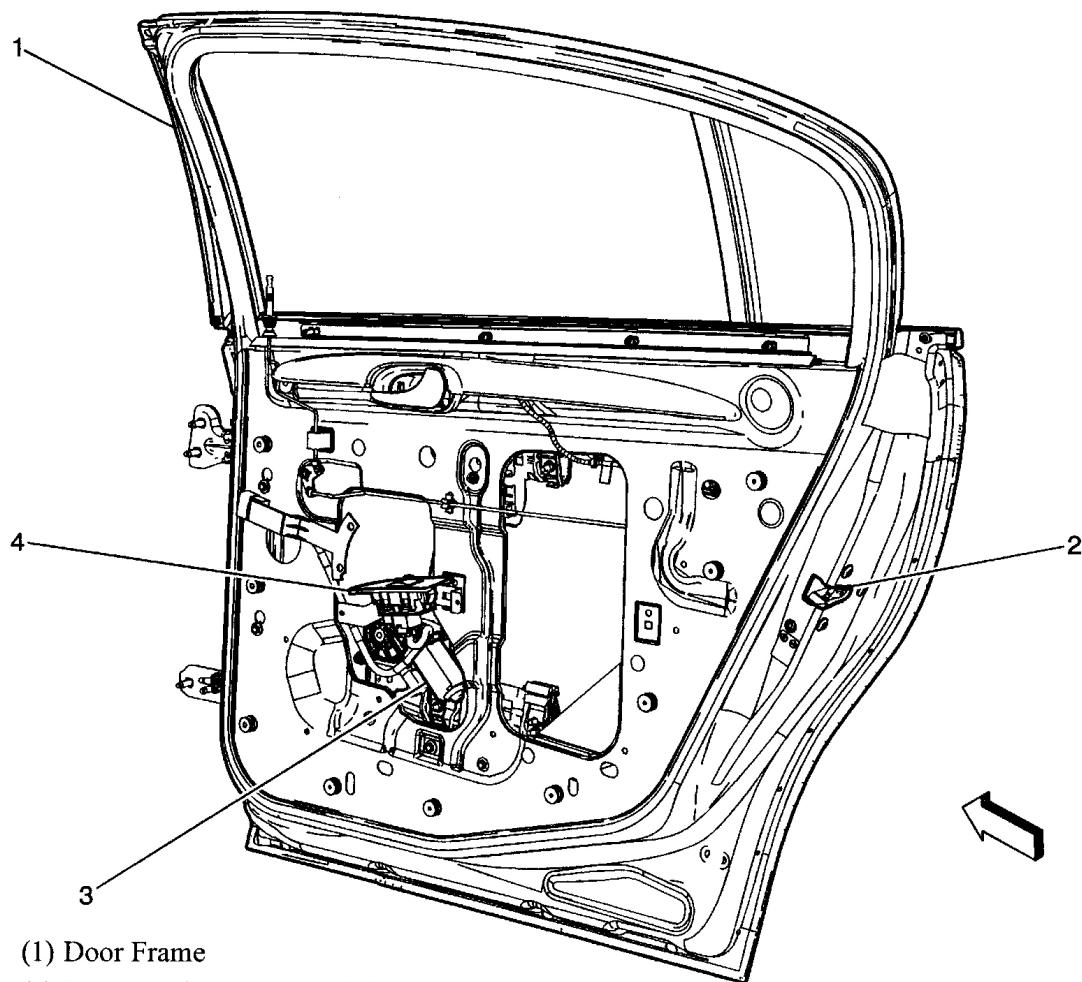
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- (1) Door Frame
- (2) Door Window Switch - LR
- (3) Window Motor - LR
- (4) Door Latch Assembly - LR

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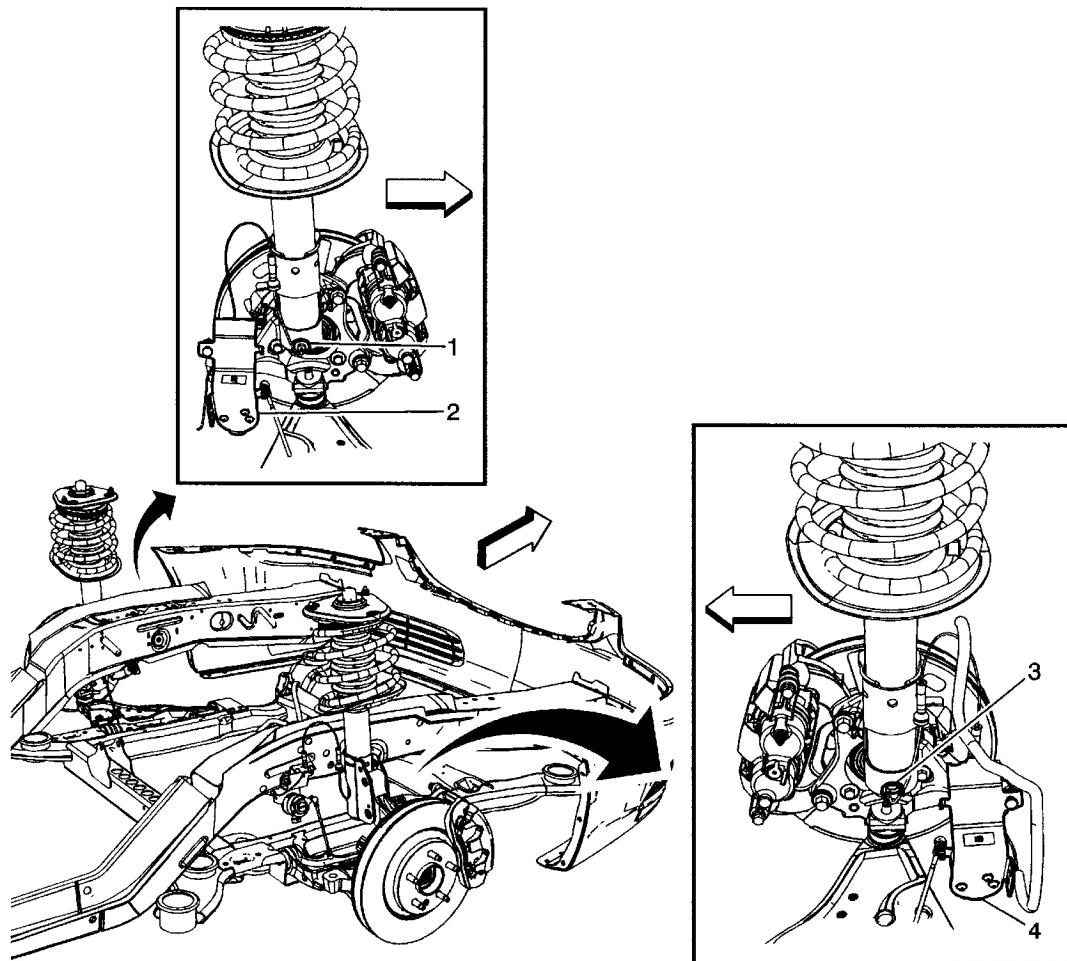
Fig. 18: Left Rear Door
Courtesy of GENERAL MOTORS CORP.



- (1) Door Frame
- (2) Door Latch Assembly - RR
- (3) Window Motor - RR
- (4) Door Window Switch - RR

G00418201

Fig. 19: Right Rear Door
Courtesy of GENERAL MOTORS CORP.



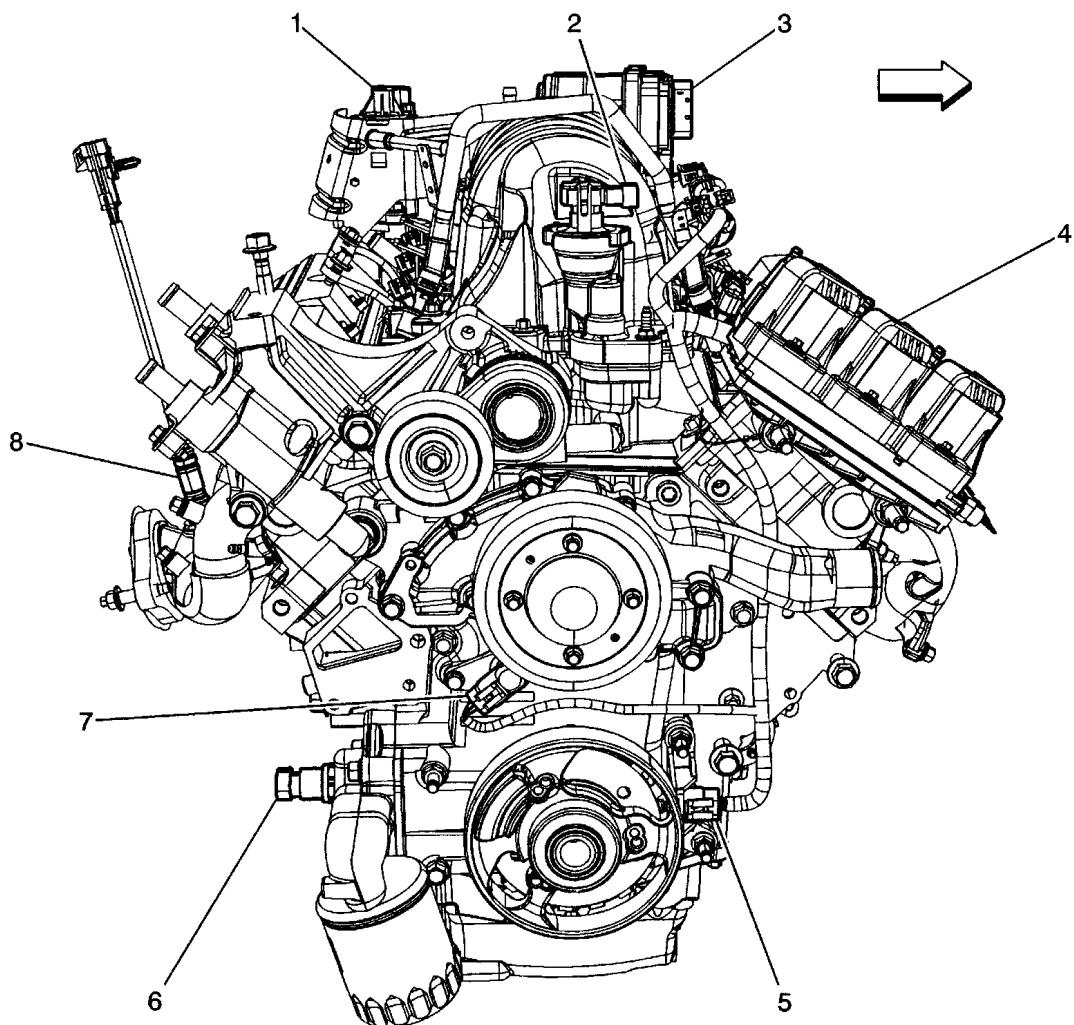
- (1) Suspension Damper - LF (F55)
- (2) Suspension Position Sensor - LF (F55)
- (3) Suspension Damper - RF (F55)
- (4) Suspension Position Sensor - RF (F55)

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Fig. 20: Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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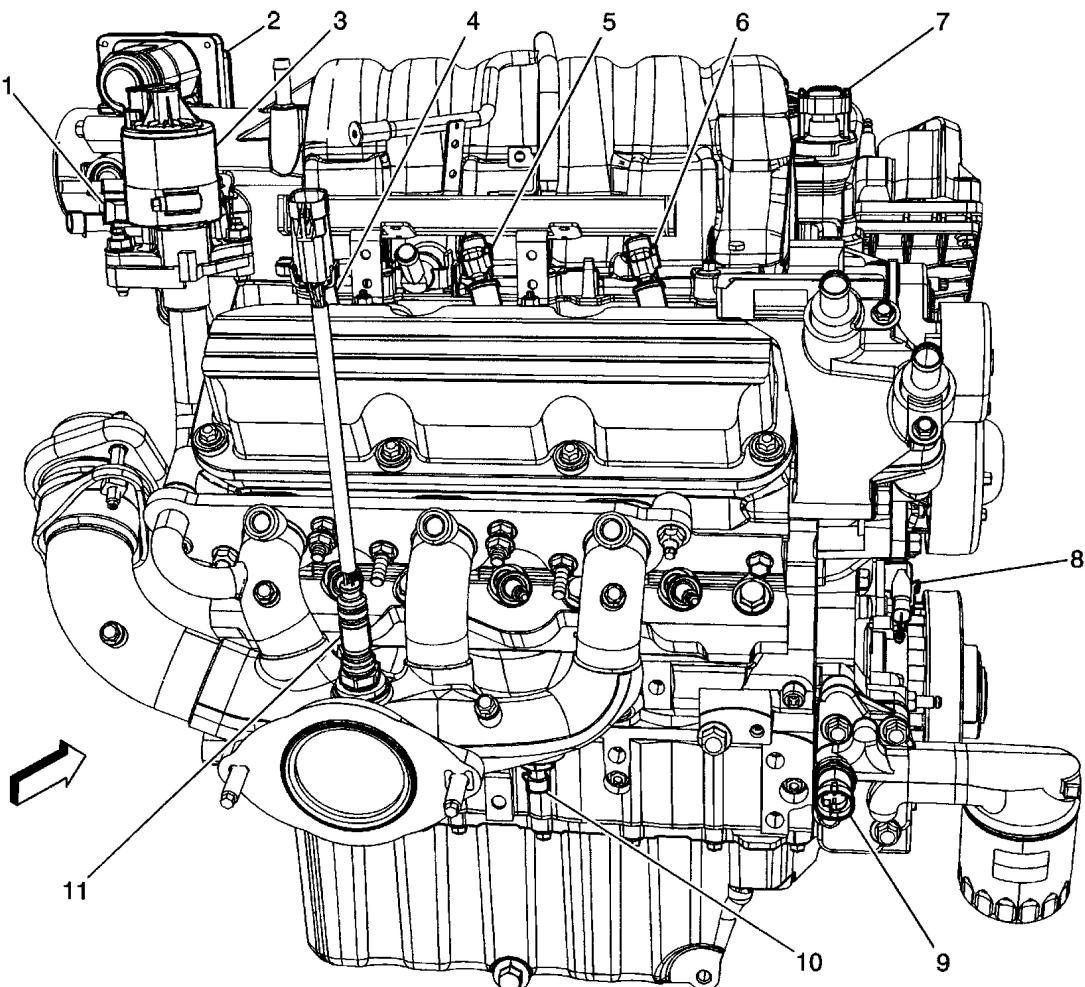
- (1) Exhaust Gas Recirculation (EGR) Valve
- (2) Manifold Absolute Pressure (MAP) Sensor
- (3) Throttle Actuator Control (TAC) Module
- (4) Ignition Coil Module
- (5) Crankshaft Position (CKP) Sensor
- (6) Engine Oil Pressure (EOP) Sensor
- (7) Camshaft Position (CMP) Sensor
- (8) Heated Oxygen Sensor (HO2S) 1

G00418203

Fig. 21: Front Of Engine (3.8L)
Courtesy of GENERAL MOTORS CORP.

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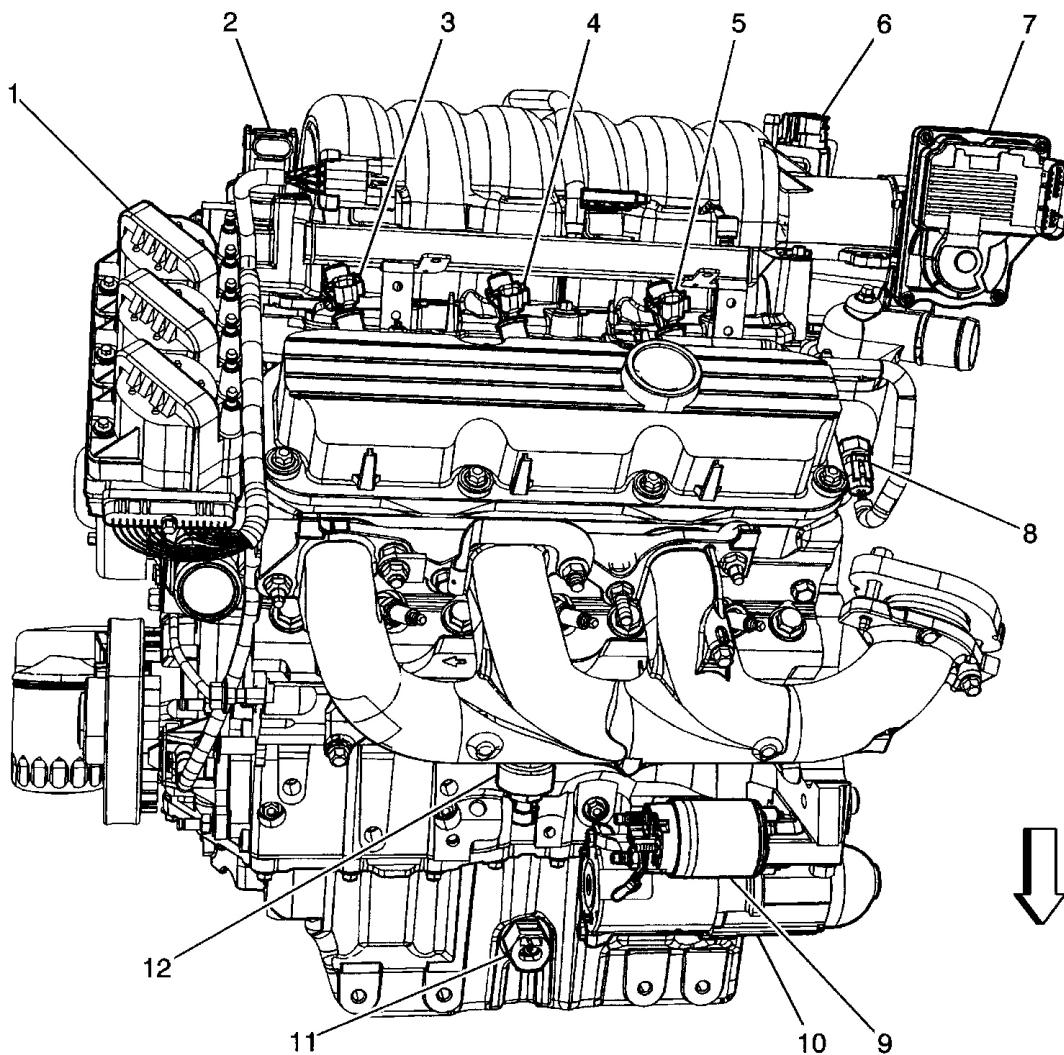
- (1) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (2) Throttle Actuator Control (TAC) Module
- (3) Exhaust Gas Recirculation (EGR) Valve
- (4) Fuel Injector 6
- (5) Fuel Injector 4
- (6) Fuel Injector 2
- (7) Manifold Absolute Pressure (MAP) Sensor
- (8) Camshaft Position (CMP) Sensor
- (9) Engine Oil Pressure (EOP) Sensor
- (10) Knock Sensor (KS) 2
- (11) Heated Oxygen Sensor (HO2S) 1

G00418204

Fig. 22: Right Side Of Engine (3.8L)
Courtesy of GENERAL MOTORS CORP.

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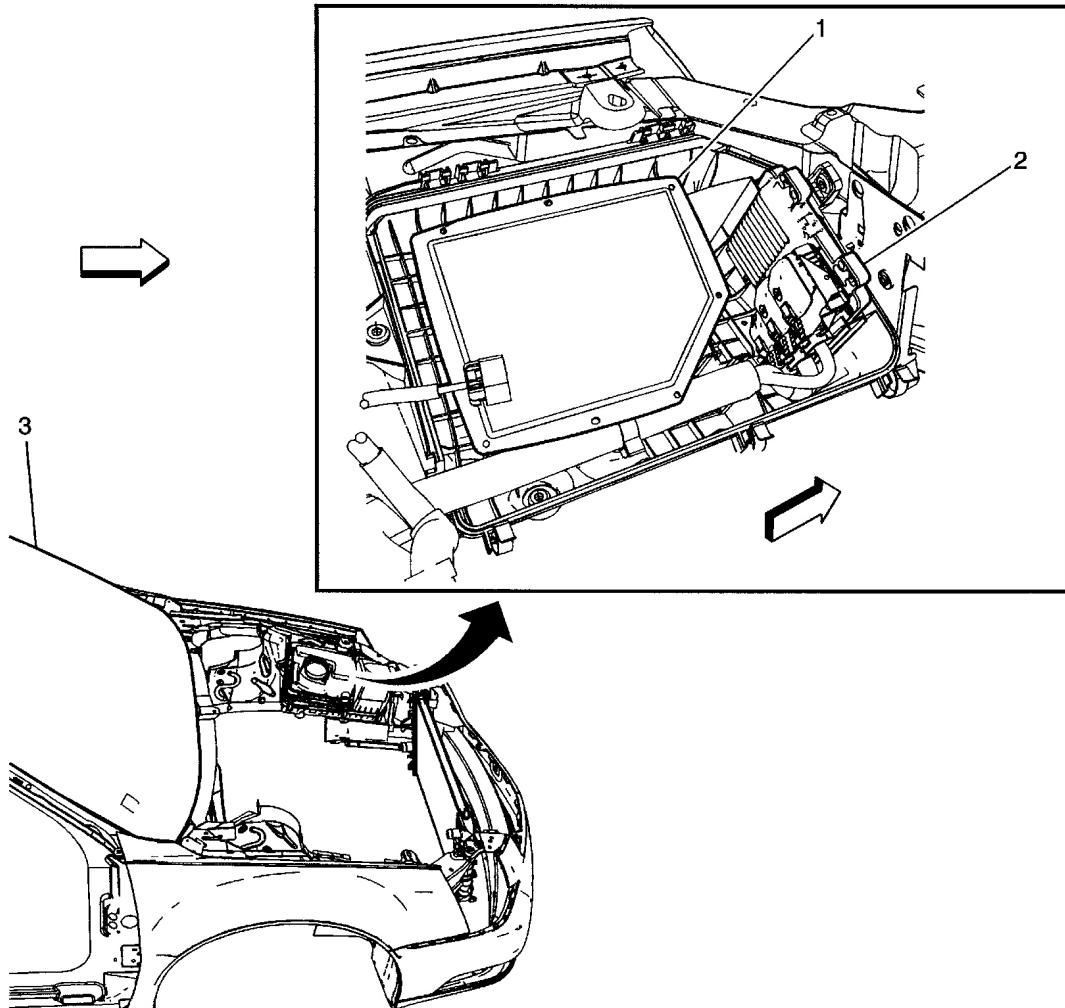


(1) Ignition Coil Module	(11) Engine Oil Level Switch
(2) Manifold Absolute Pressure (MAP) Sensor	(12) Knock Sensor (KS) 1
(3) Fuel Injector 1	
(4) Fuel Injector 3	
(5) Fuel Injector 5	
(6) Exhaust Gas Recirculation (EGR) Valve	
(7) Throttle Actuator Control (TAC) Module	
(8) Engine Coolant Temperature (ECT) Sensor	
(9) Starter Solenoid	
(10) Starter	

G00418206

Fig. 23: Left Side Of Engine (3.8L)

Courtesy of GENERAL MOTORS CORP.



- (1) Air Cleaner-Filter
- (2) Engine Control Module (ECM)
- (3) Windshield

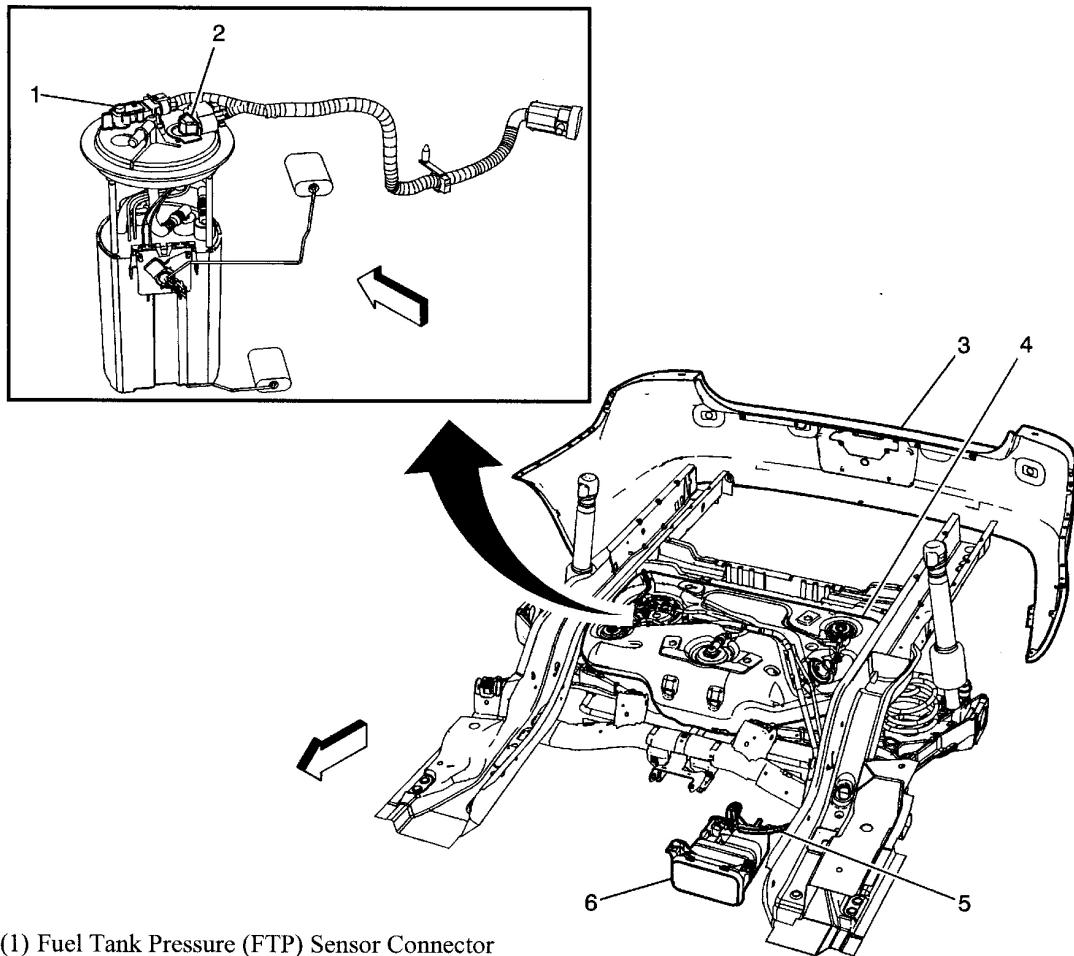
G00418208

Fig. 24: Engine Compartment

Courtesy of GENERAL MOTORS CORP.

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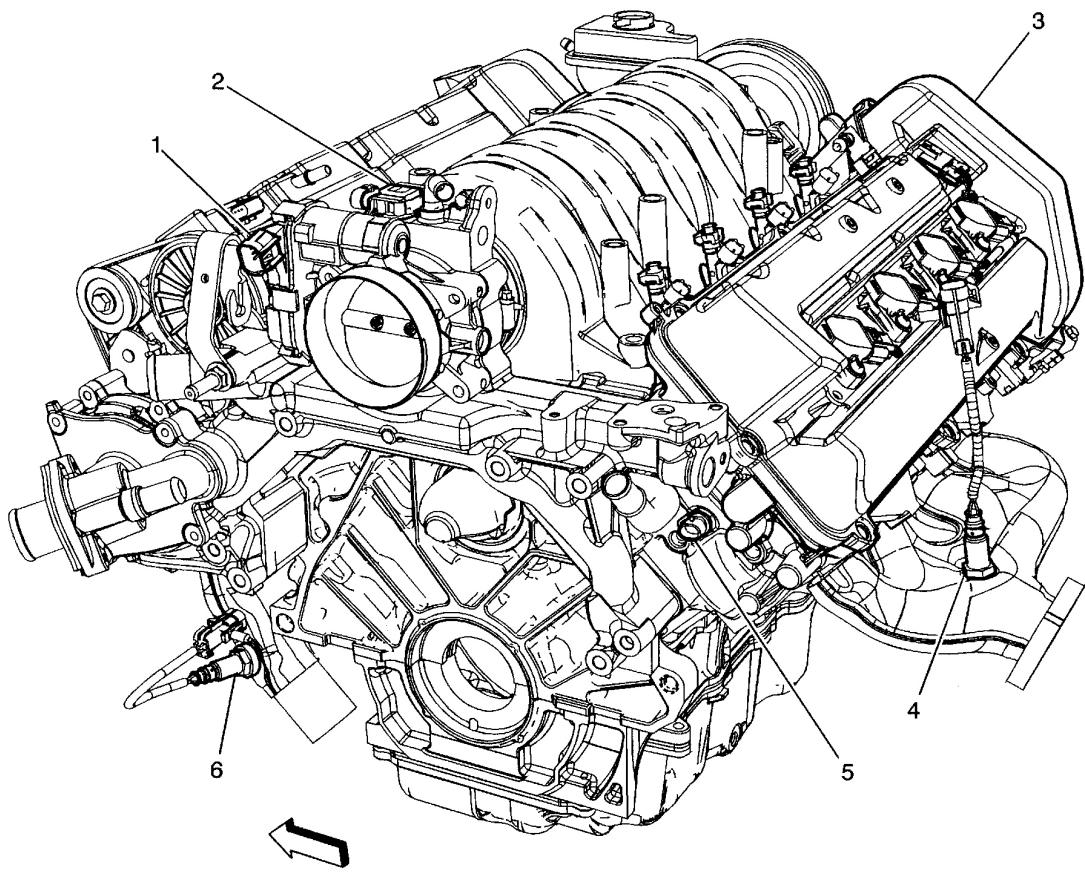
- (1) Fuel Tank Pressure (FTP) Sensor Connector
- (2) Fuel Pump and Sender Assembly
- (3) Rear Fascia
- (4) Fuel Tank
- (5) Body Harness
- (6) Evaporative Emission (EVAP) Canister Vent Solenoid Valve

G00418209

Fig. 25: Rear Underside Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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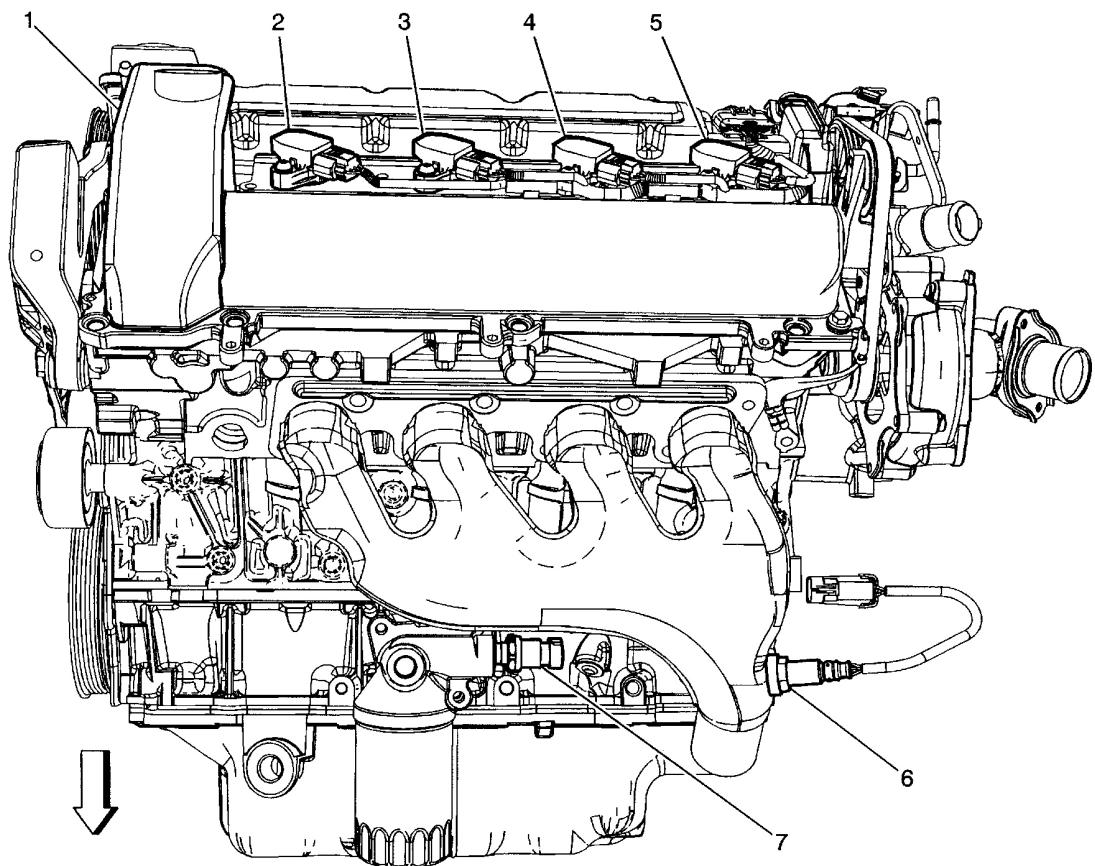
- (1) Throttle Body Assembly
- (2) Manifold Absolute Pressure (MAP) Sensor
- (3) Valve Cover
- (4) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1
- (5) Engine Coolant Temperature (ECT) Sensor
- (6) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2

G00418210

Fig. 26: Rear Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.

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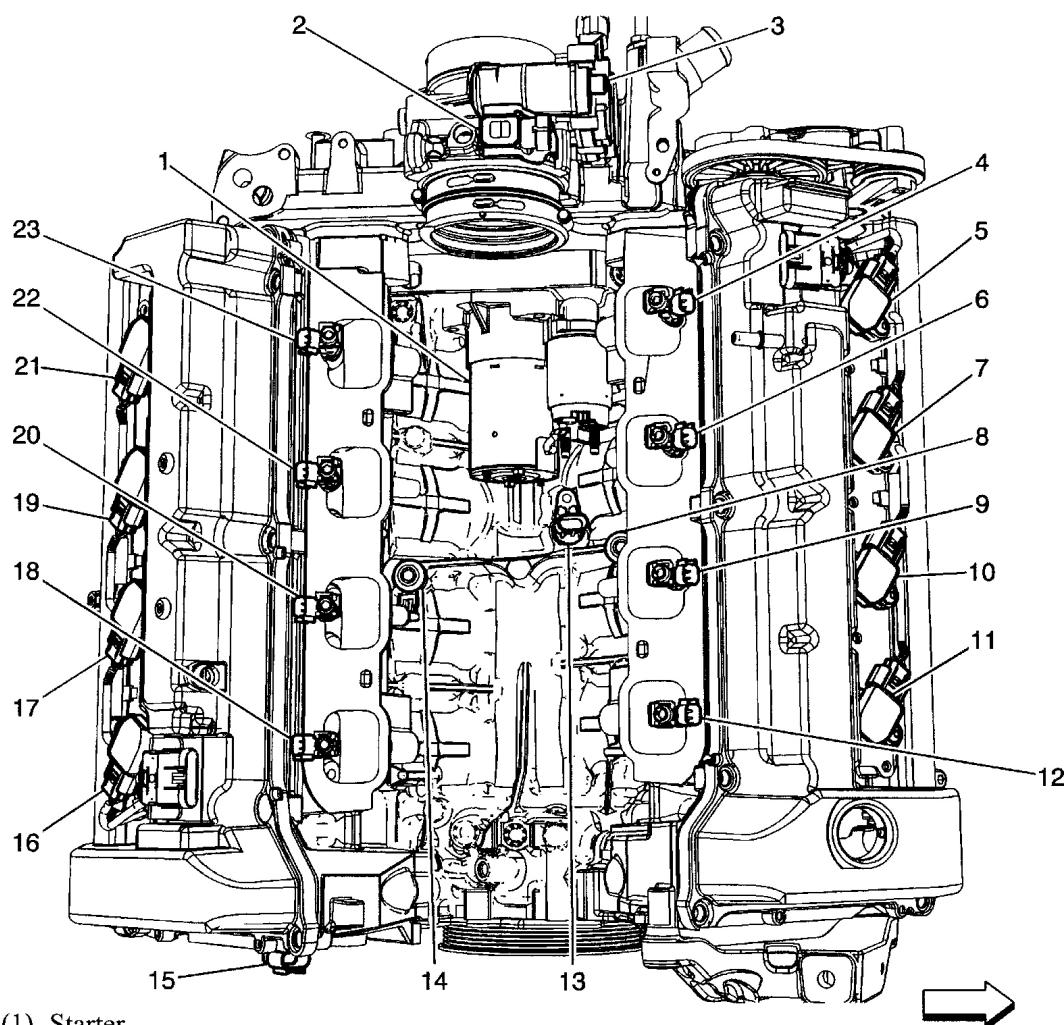
- (1) Valve Cover
- (2) Ignition Coil/Module 2
- (3) Ignition Coil/Module 4
- (4) Ignition Coil/Module 6
- (5) Ignition Coil/Module 8
- (6) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1
- (7) Engine Oil Pressure (EOP) Switch

G00418211

Fig. 27: Left Side Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.

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- (1) Starter
- (2) Manifold Absolute Pressure (MAP) Sensor
- (3) Throttle Body Assembly
- (4) Fuel Injector 8
- (5) Ignition Coil/Module 8
- (6) Fuel Injector 6
- (7) Ignition Coil/Module 6
- (8) Knock Sensor (KS) 2
- (9) Fuel Injector 4
- (10) Ignition Coil/Module 4

G00418212

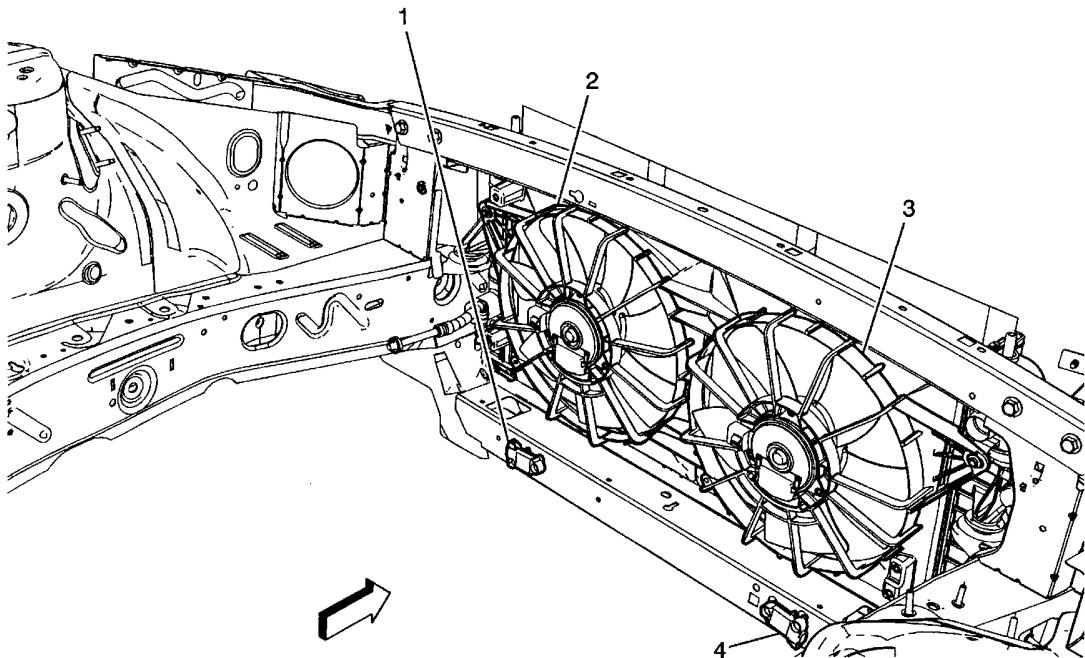
Fig. 28: Top Of Engine (4.6L) (1 Of 2)
Courtesy of GENERAL MOTORS CORP.

- (11) Ignition Coil/Module 2
- (12) Fuel Injector 2
- (13) Crankshaft Position (CKP) Sensor
- (14) Knock Sensor (KS) 1
- (15) Camshaft Position (CMP) Sensor
- (16) Ignition Coil/Module 1
- (17) Ignition Coil/Module 3
- (18) Fuel Injector 1
- (19) Ignition Coil/Module 5
- (20) Fuel Injector 3
- (21) Ignition Coil/Module 7
- (22) Fuel Injector 5
- (23) Fuel Injector 7

G00418213

Fig. 29: Top Of Engine (4.6L) (2 Of 2)

Courtesy of GENERAL MOTORS CORP.



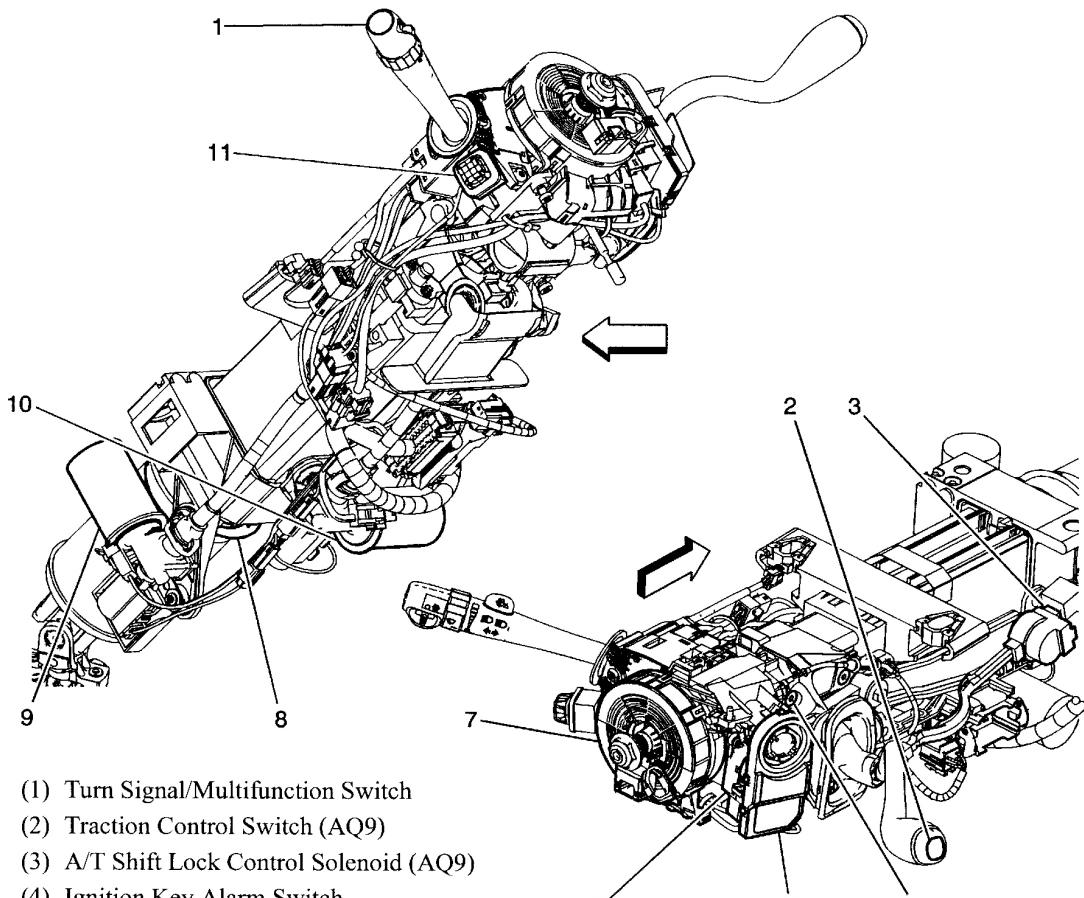
- (1) Inflatable Restraint Front End Sensor - Left
- (2) Cooling Fan - Left
- (3) Cooling Fan - Right
- (4) Inflatable Restraint Front End Sensor - Right

G00418214

Fig. 30: Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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- (1) Turn Signal/Multifunction Switch
- (2) Traction Control Switch (AQ9)
- (3) A/T Shift Lock Control Solenoid (AQ9)
- (4) Ignition Key Alarm Switch
- (5) Theft Deterrent Module (TDM)
- (6) Ignition Switch
- (7) Inflatable Restraint Steering Wheel Module Coil
- (8) Steering Angle Sensor (JL4)
- (9) Telescoping Actuator (N37)
- (10) Tilt Actuator (N37)

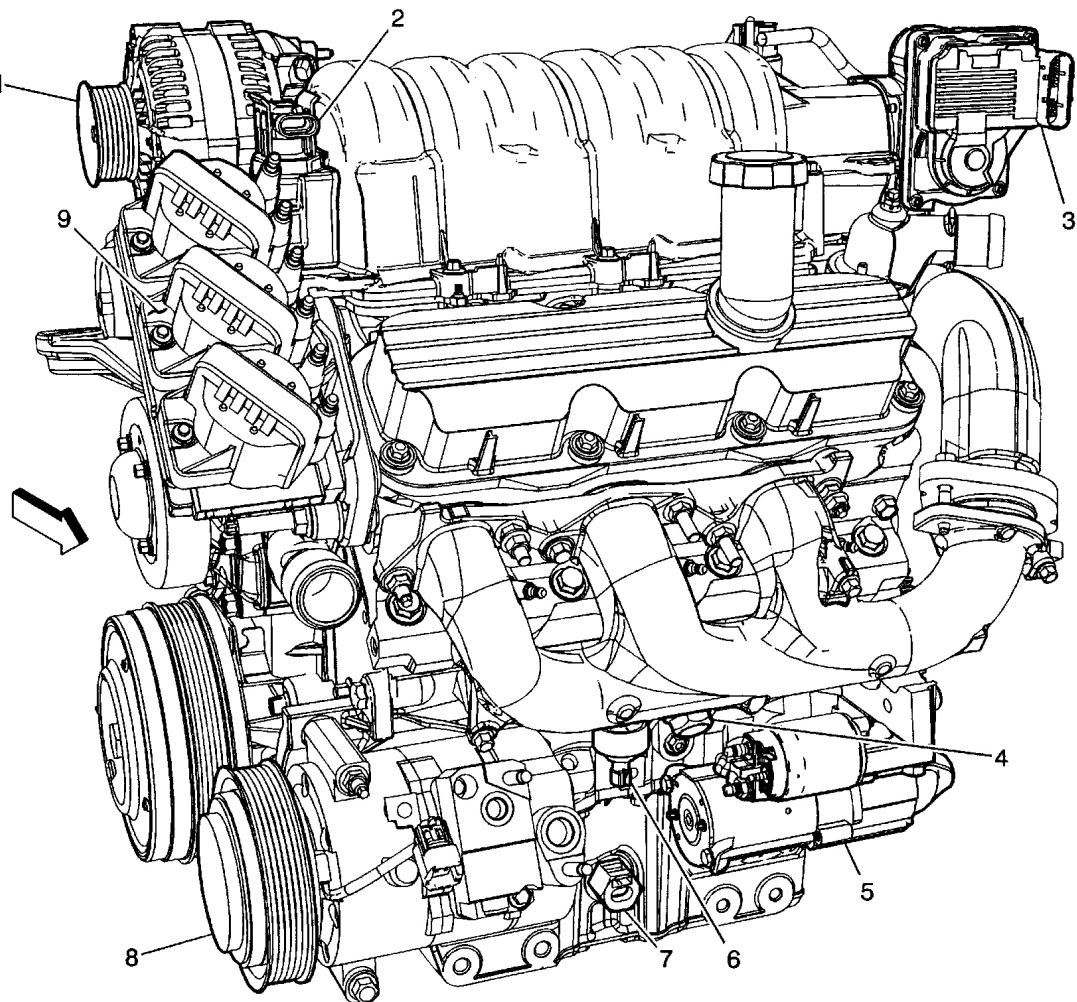
G00418215

Fig. 31: Steering Column

Courtesy of GENERAL MOTORS CORP.

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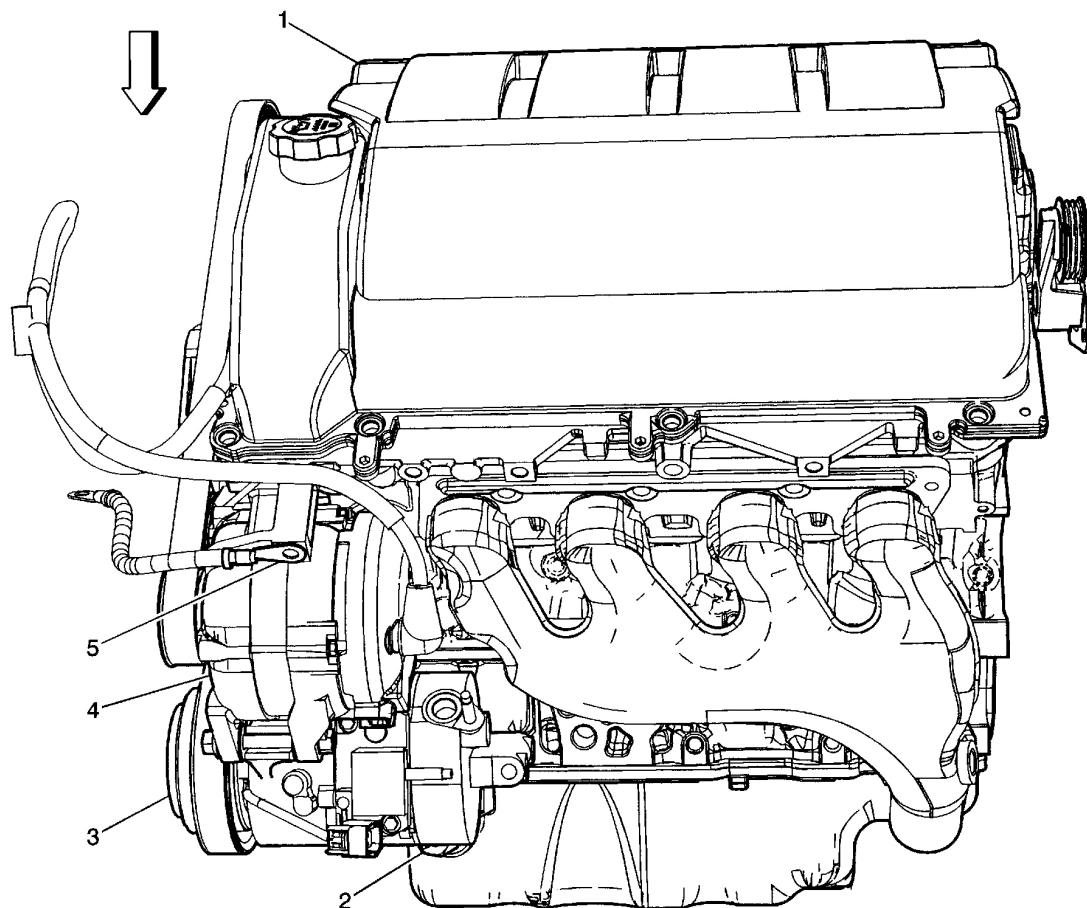
- (1) Generator
- (2) Manifold Absolute Pressure (MAP) Sensor
- (3) Throttle Actuator Control (TAC) Module
- (4) Engine Coolant Heater
- (5) Starter
- (6) Knock Sensor (KS) 1
- (7) Engine Oil Level Switch
- (8) A/C Compressor Clutch
- (9) Ignition Control Module (ICM)

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Fig. 32: Left Side Of Engine (3.8L)
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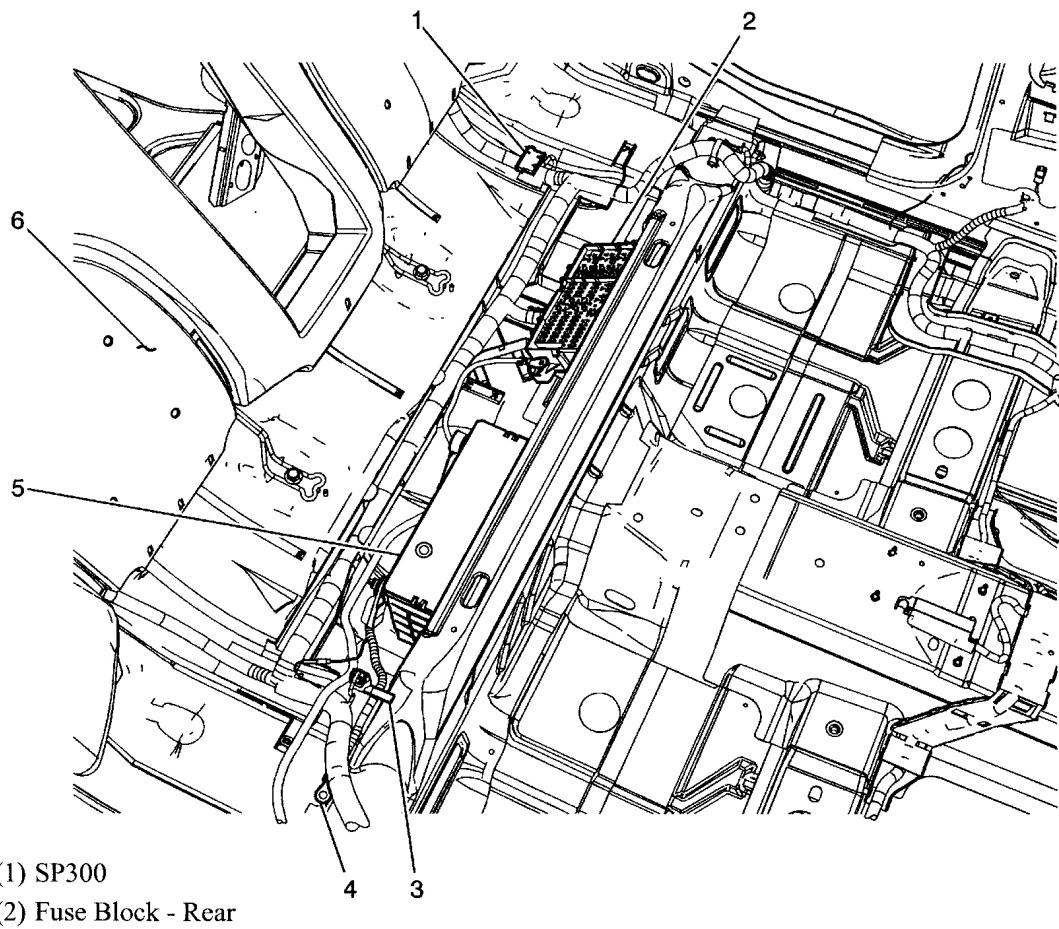
- (1) Engine - 4.6L
- (2) Engine Oil Level Switch
- (3) A/C Compressor
- (4) Generator
- (5) Battery Negative Ground

G00418217

Fig. 33: Left Side Of Engine (4.6L)
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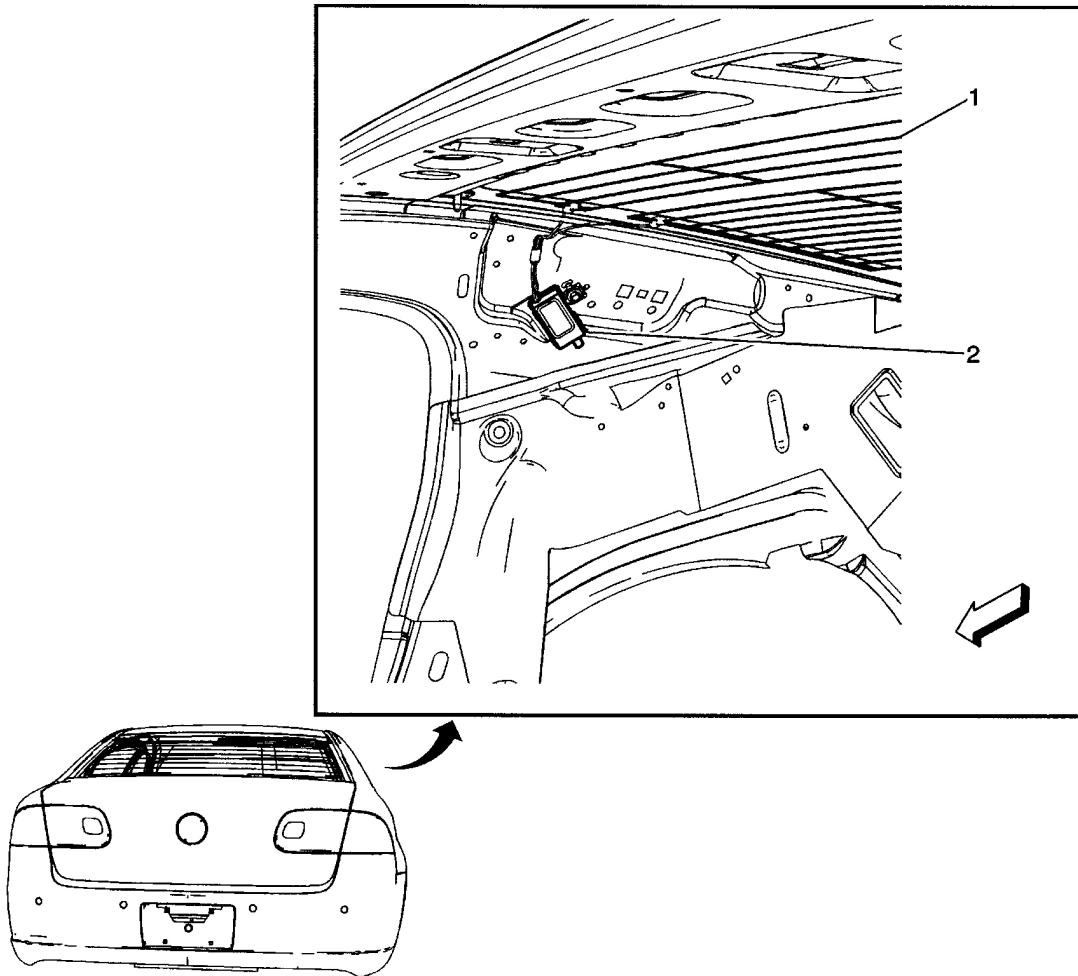
G00418218

Fig. 34: Under Rear Seat

Courtesy of GENERAL MOTORS CORP.

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(1) Rear Window Antenna

(2) Radio Antenna Module

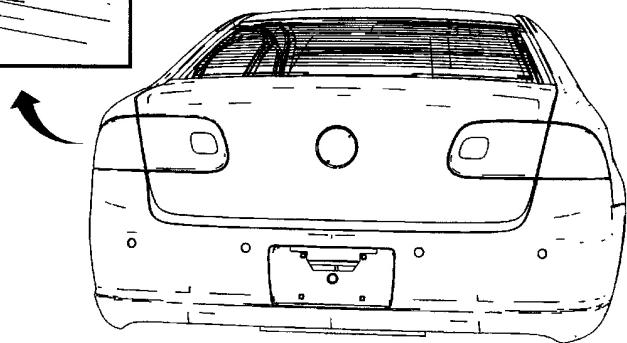
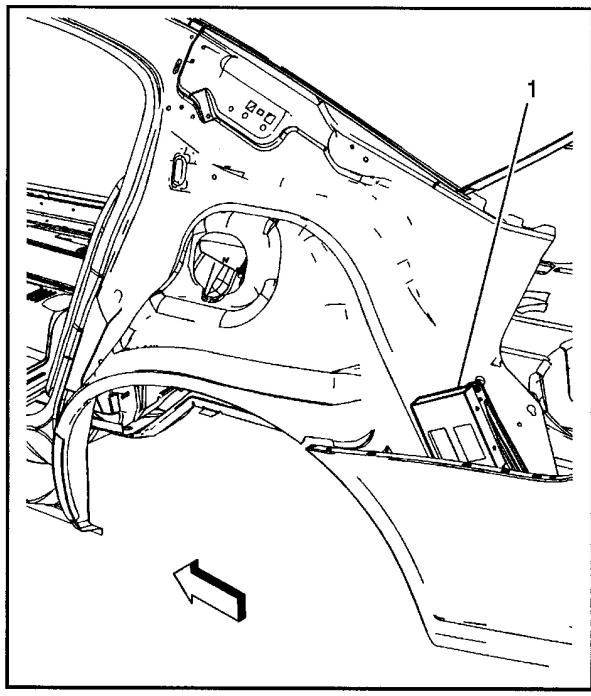
G00418219

Fig. 35: Right "D" Pillar

Courtesy of GENERAL MOTORS CORP.

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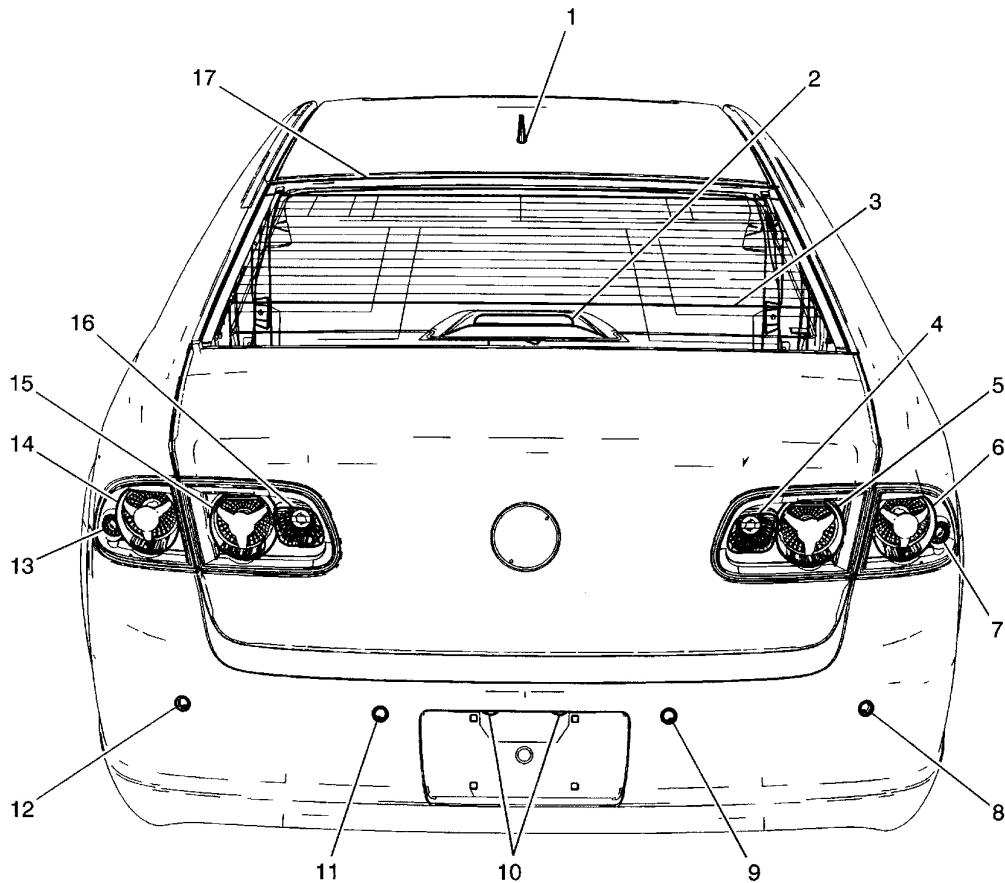
(1) Digital Radio Receiver (DRR) (U2K)

G00418220

Fig. 36: Left "D" Pillar
Courtesy of GENERAL MOTORS CORP.

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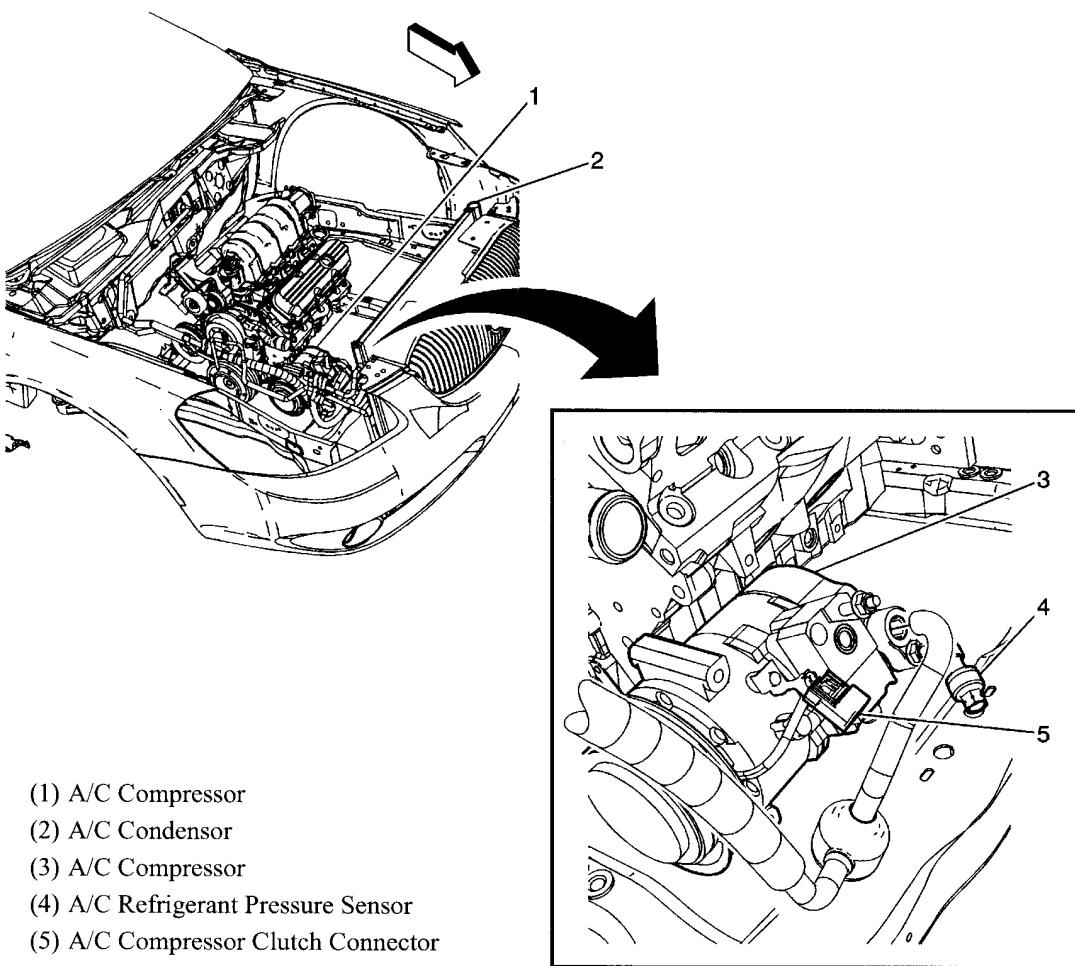
(1) Cellular Navigation and Digital Radio Antenna (U2K)	(11) Object Alarm Sensor -LR Middle (UFR)
(2) Center High Mounted Stop Lamp (CHMSL)	(12) Object Alarm Sensor -LR Corner (UFR)
(3) Rear Window Defogger	(13) Marker Lamp-LR
(4) Backup Lamp-RR	(14) Stop/Turn Signal Lamp-LR
(5) Tail Lamp-Right Auxiliary	(15) Tail Lamp-Left Auxiliary
(6) Stop/Turn Signal Lamp-RR	(16) Backup Lamp-LR
(7) Marker Lamp-RR	(17) Radio Rear Glass Antenna
(8) Object Alarm Sensor - RR Corner (UFR)	
(9) Object Alarm Sensor - RR Middle (UFR)	
(10) License Lamps	

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Fig. 37: Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.

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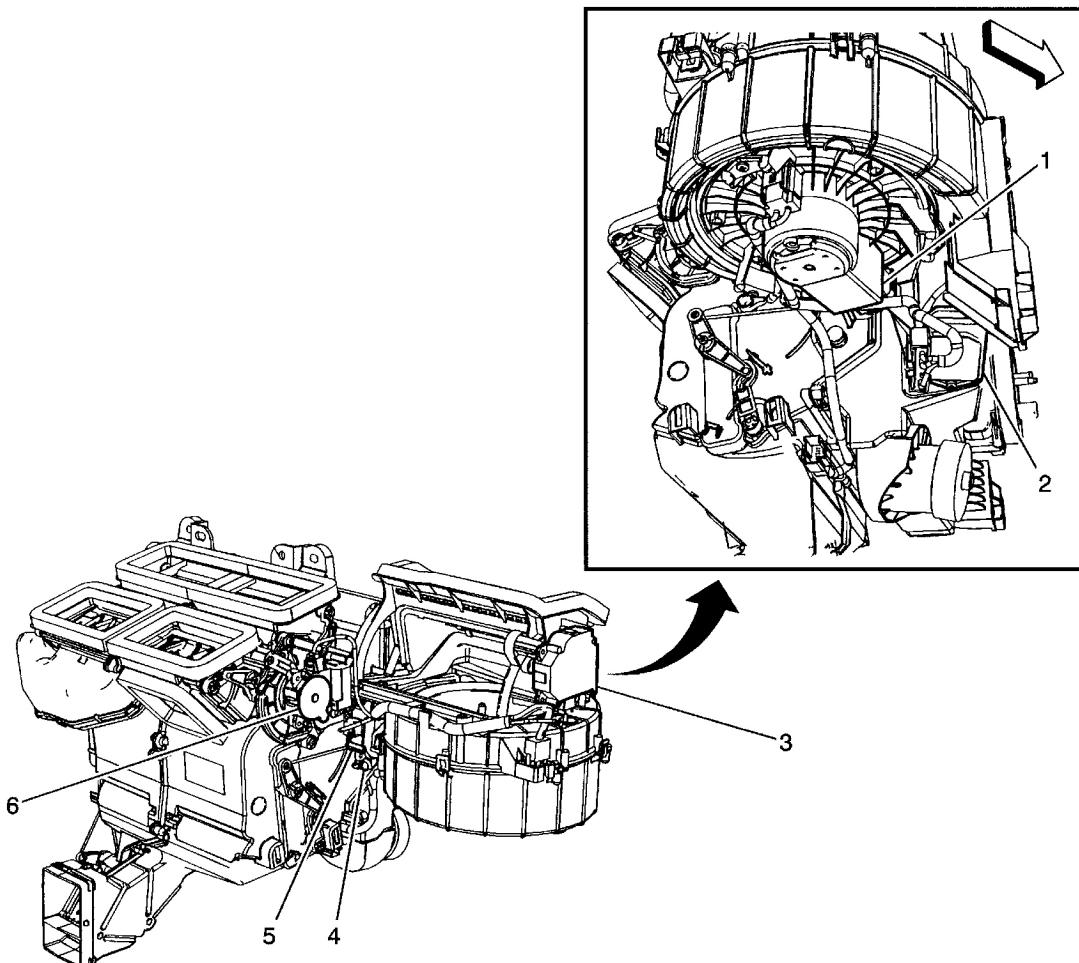


G00418223

Fig. 38: Engine Compartment
Courtesy of GENERAL MOTORS CORP.

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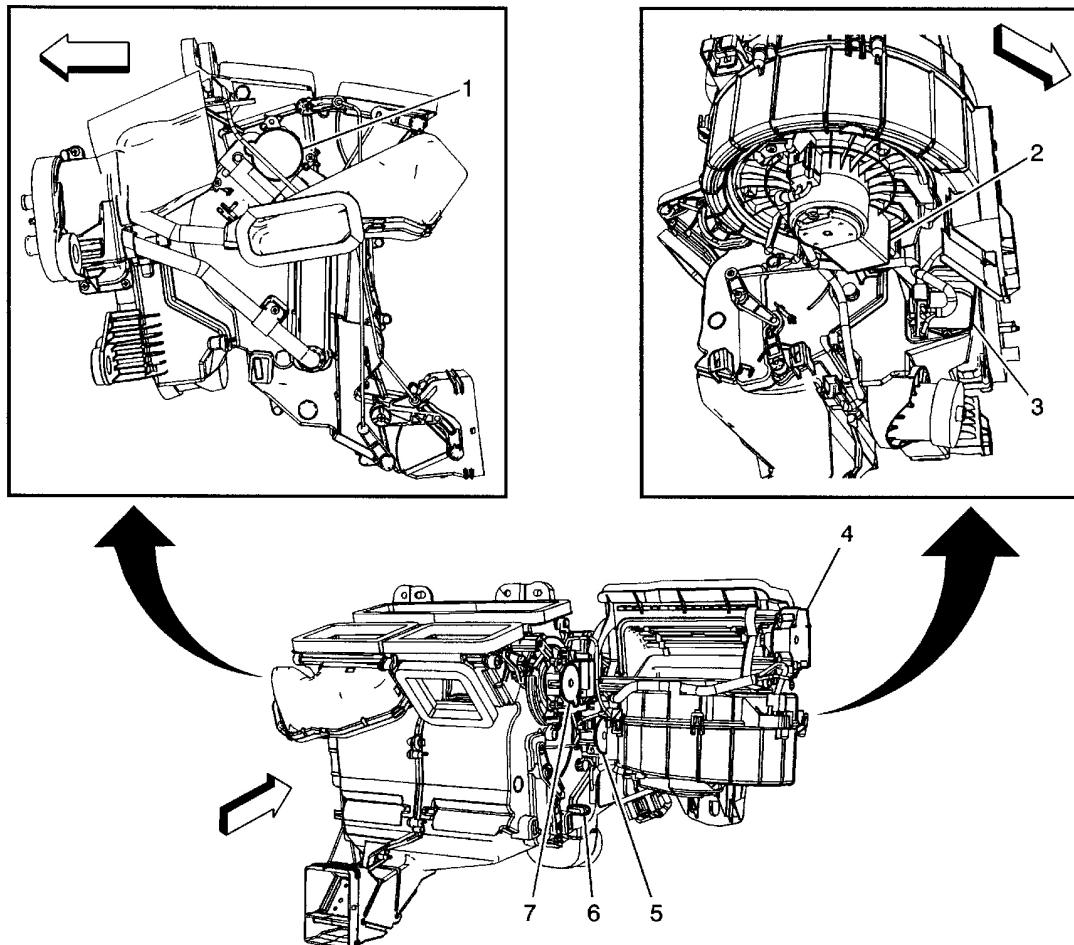
- (1) Blower Motor
- (2) Blower Motor Control Module
- (3) Recirculation Actuator
- (4) EVAP Temperature Sensor
- (5) Air Temperature Actuator
- (6) Mode Actuator

G00418224

Fig. 39: HVAC Module (Front - Electronic Controls)
Courtesy of GENERAL MOTORS CORP.

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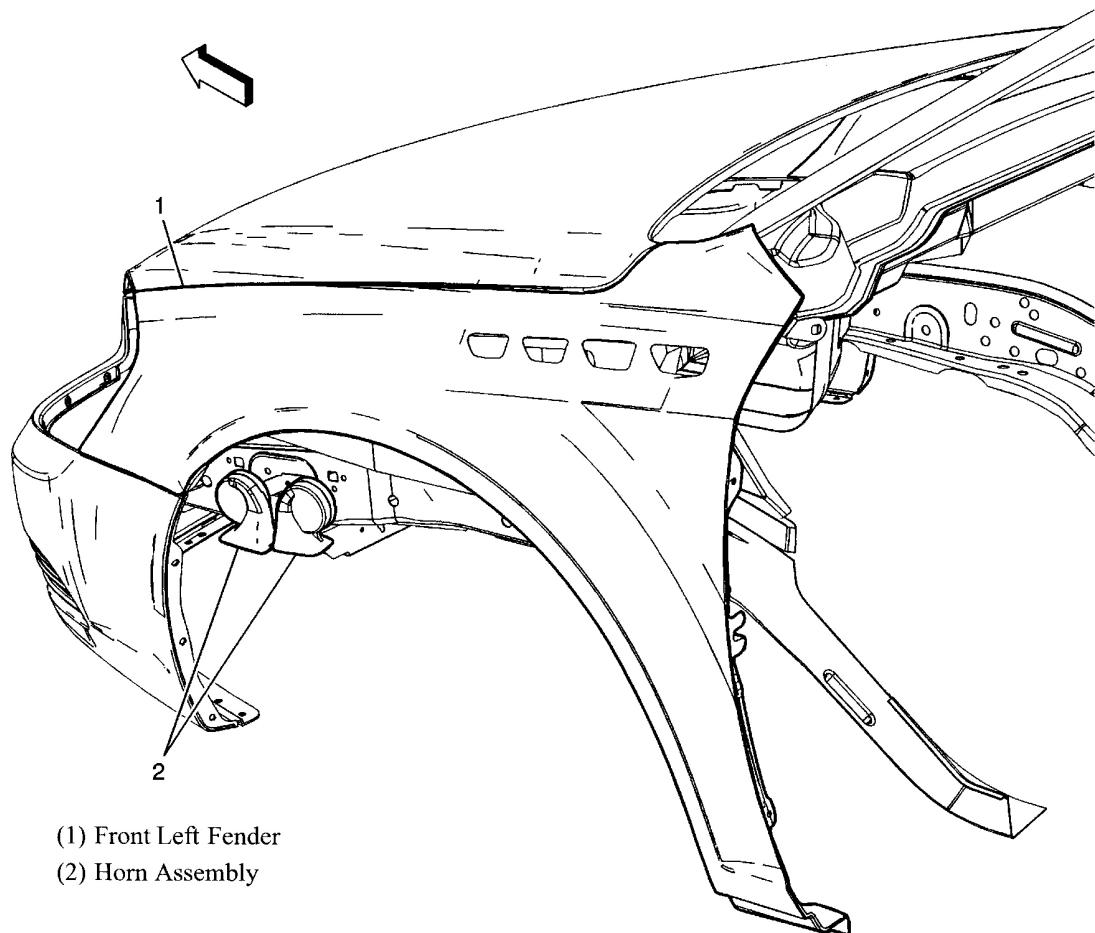
- (1) Air Temperature Actuator - Driver (CJ4/CJ2)
- (2) Blower Motor
- (3) Blower Motor Control Module
- (4) Recirculation Actuator
- (5) Air Temperature Actuator - Front Passenger (CJ4/CJ2)
- (6) EVAP Temperature Sensor
- (7) Mode Actuator

G00418225

Fig. 40: HVAC Module (Front - Auto Temperature Controls)
Courtesy of GENERAL MOTORS CORP.

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(1) Front Left Fender

(2) Horn Assembly

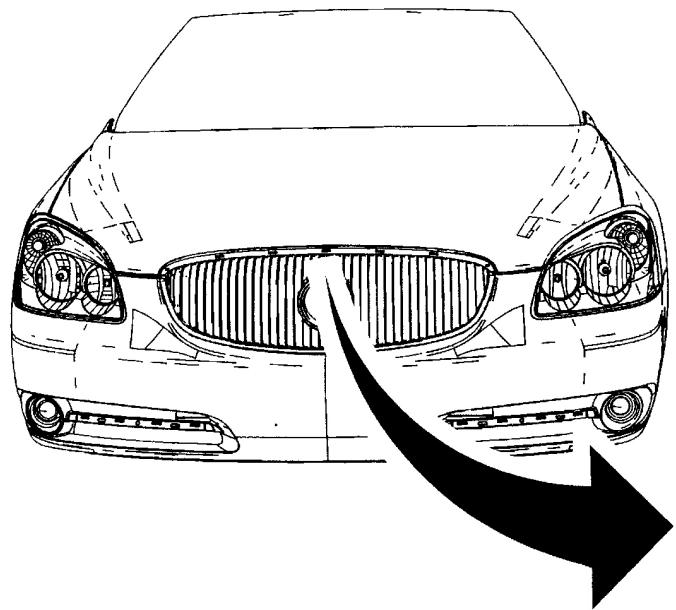
G00418226

Fig. 41: Left Front Of Engine Compartment

Courtesy of GENERAL MOTORS CORP.

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(1) Hood Ajar Switch

G00418227

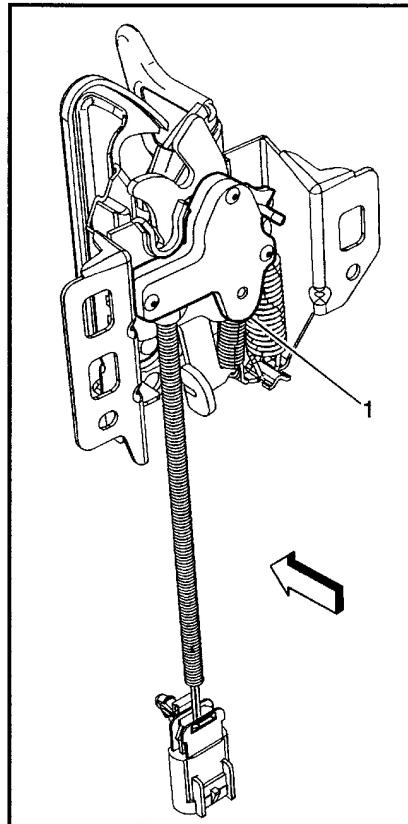
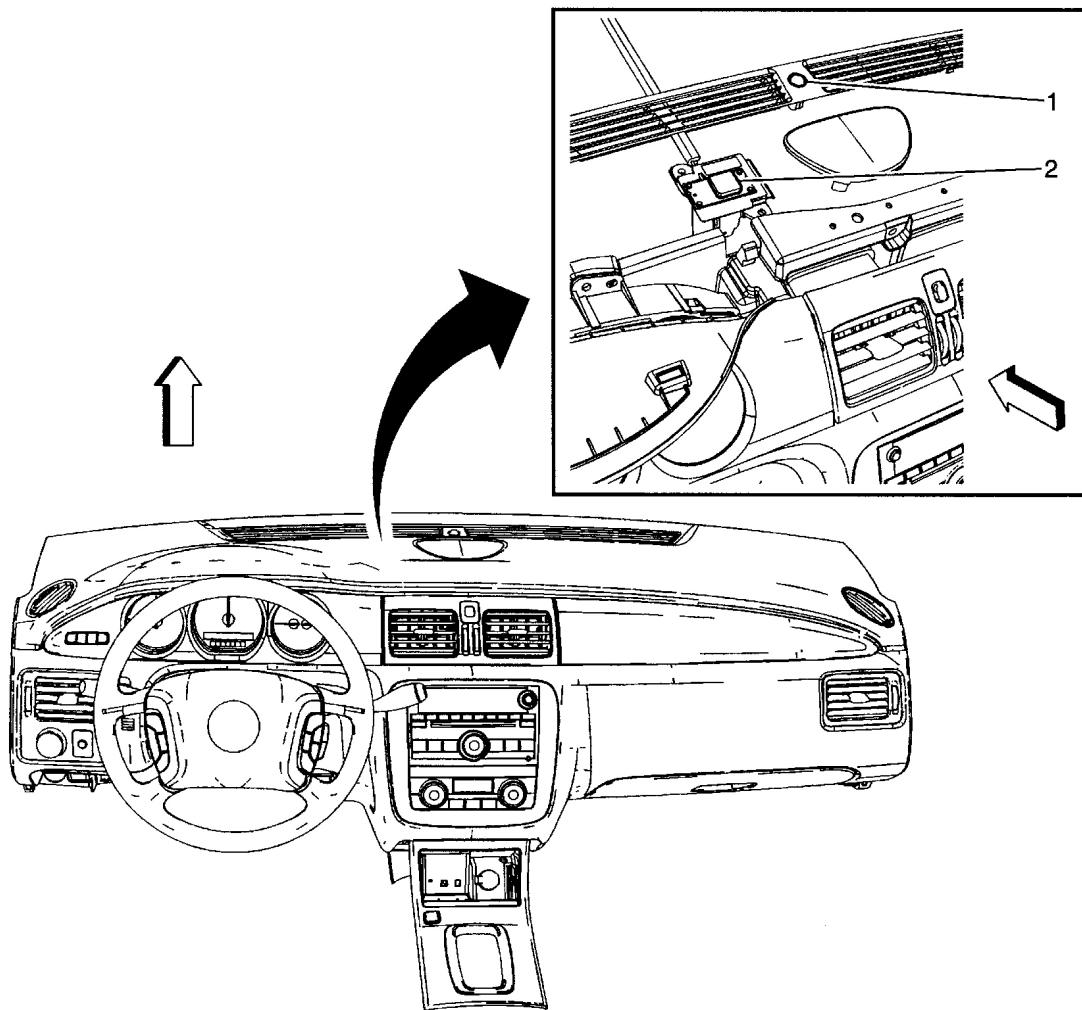


Fig. 42: Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.



(1) Sunload Twilight Sensor

(2) Global Positioning System (GPS) Antenna (UE1, U3Q)

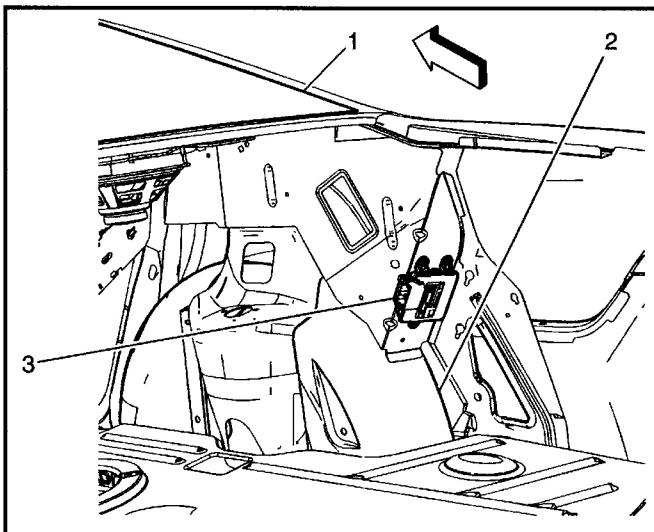
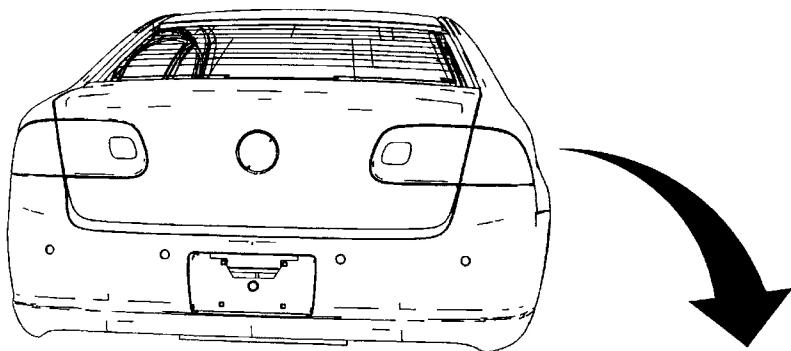
G00418228

Fig. 43: Top Center Of Dash

Courtesy of GENERAL MOTORS CORP.

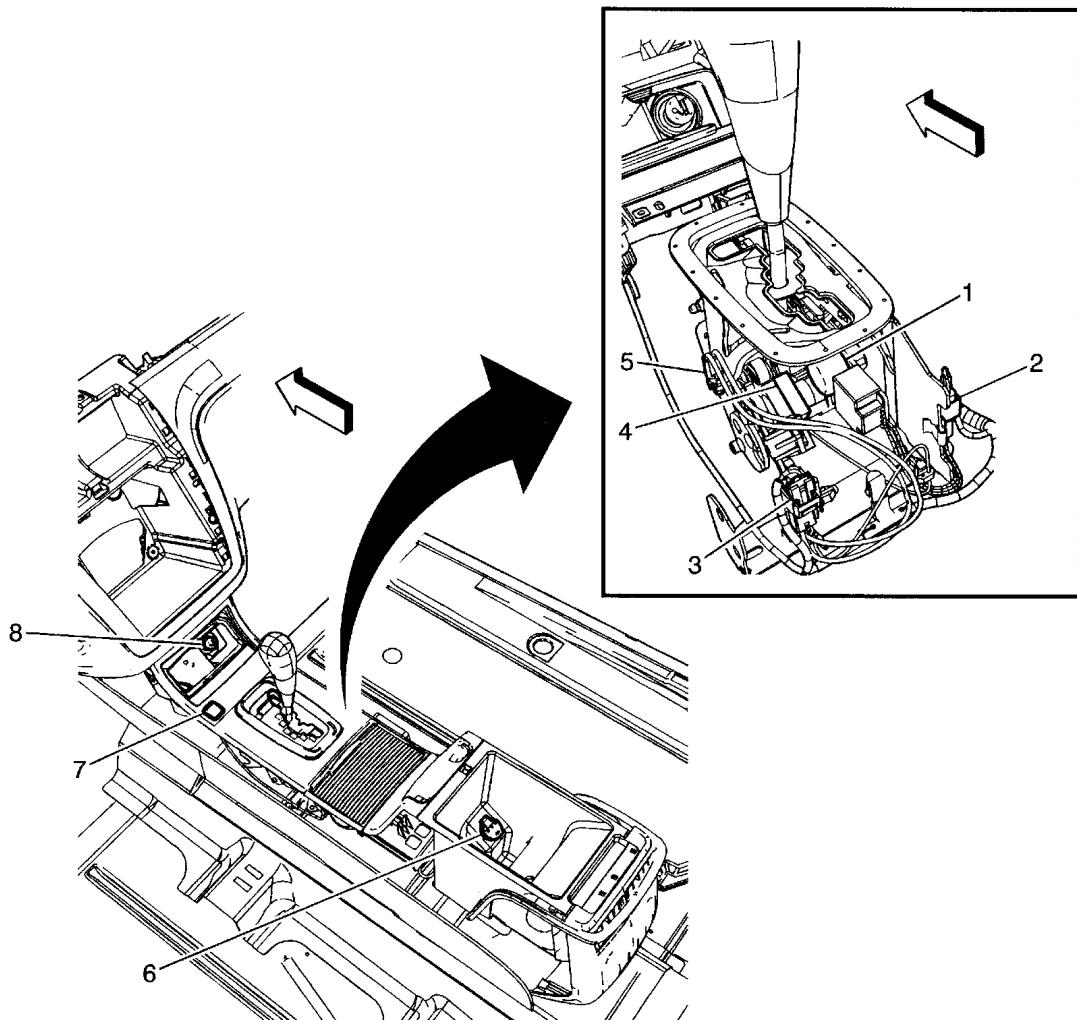
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G00418229

Fig. 44: Behind Rear Seat
Courtesy of GENERAL MOTORS CORP.



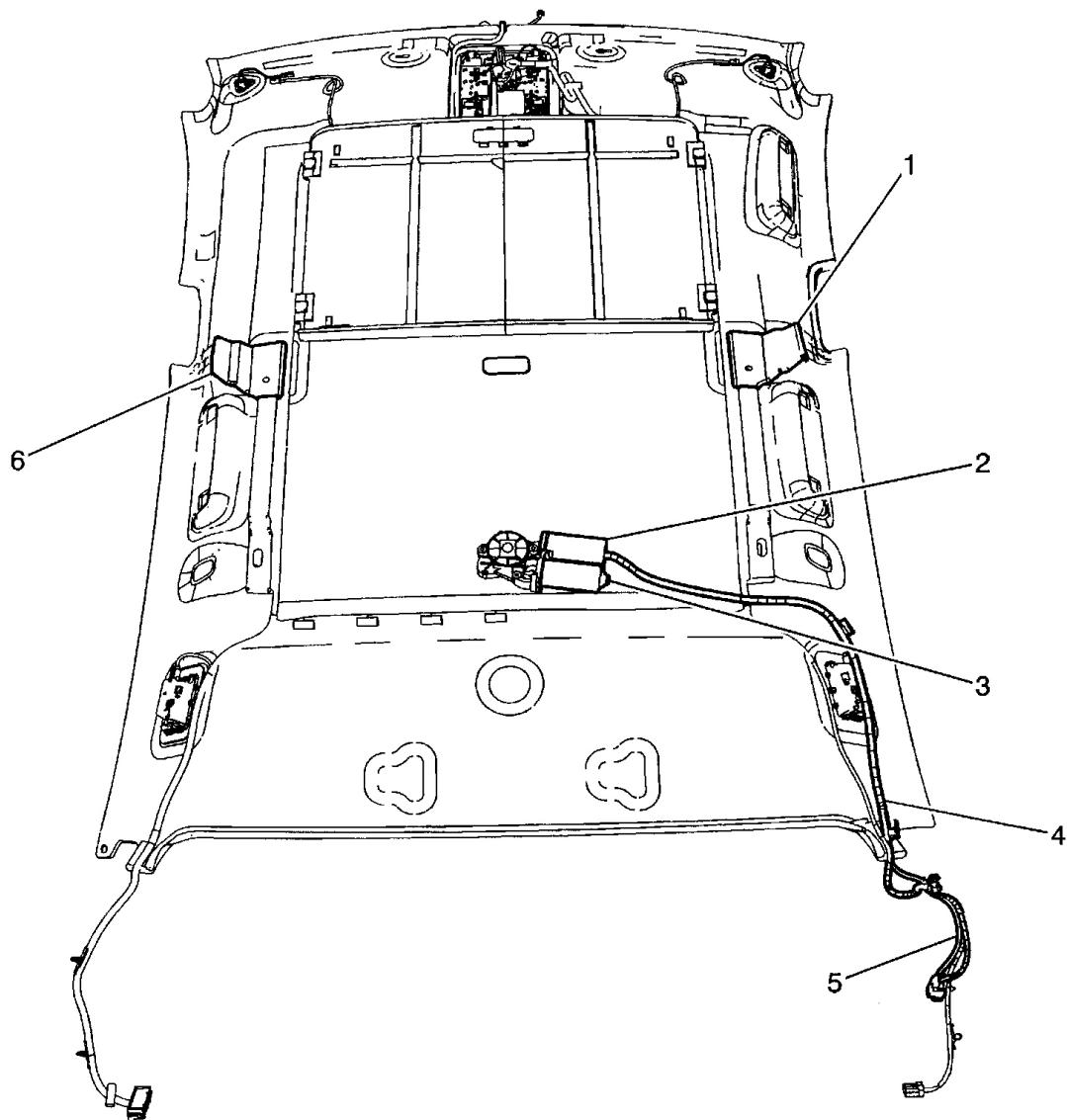
- (1) A/T Shift Lock Control Solenoid (AN3)
- (2) Reverse Lockout Solenoid C1 (A51)
- (3) Reverse Lockout Solenoid (A51)
- (4) Reverse Lockout Solenoid C2 (A51)
- (5) Shifter Background Lamp
- (6) Auxiliary Power Outlet (A51)
- (7) Traction Control Switch
- (8) Cigar Lighter

G00418230

Fig. 45: Floor Console
Courtesy of GENERAL MOTORS CORP.

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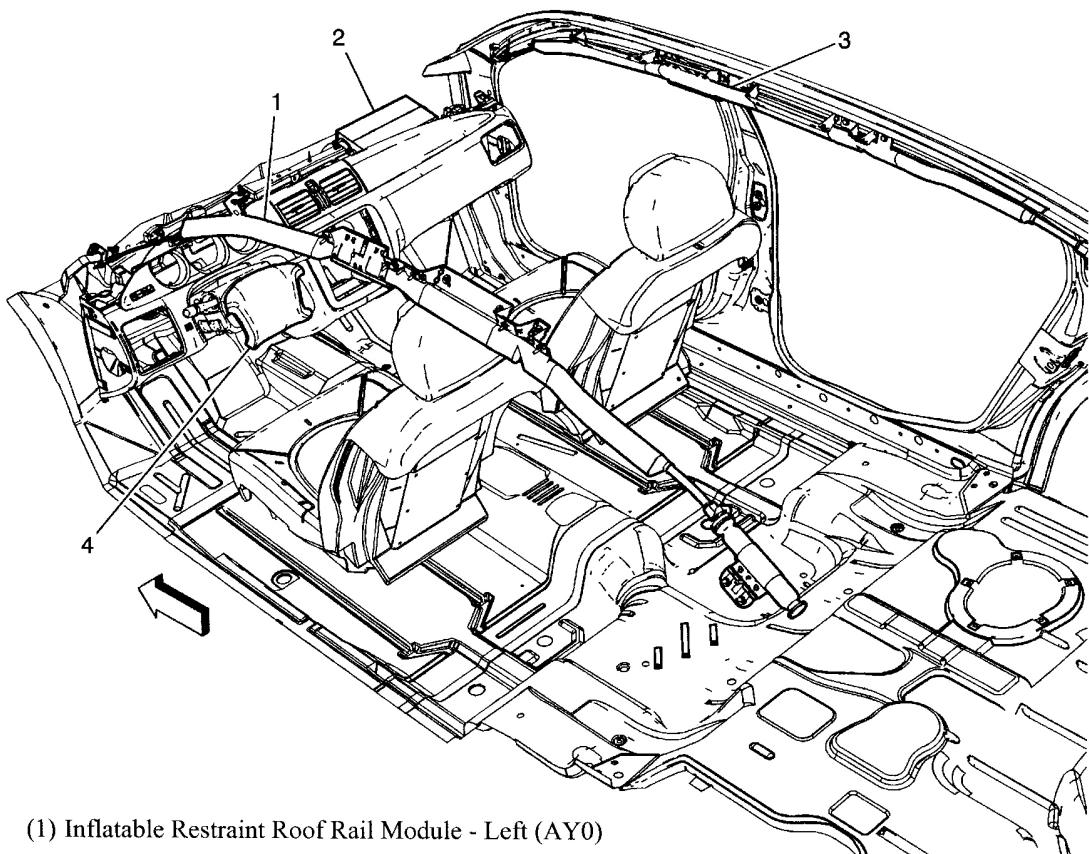
- (1) Roof Rail Airbag-Right
- (2) Sunroof Control Module (CF5)
- (3) Sunroof Motor (CF5)
- (4) Sunroof Harness (CF5)
- (5) Headliner Harness
- (6) Roof Rail Airbag-Left

G00418231

Fig. 46: Roof
Courtesy of GENERAL MOTORS CORP.

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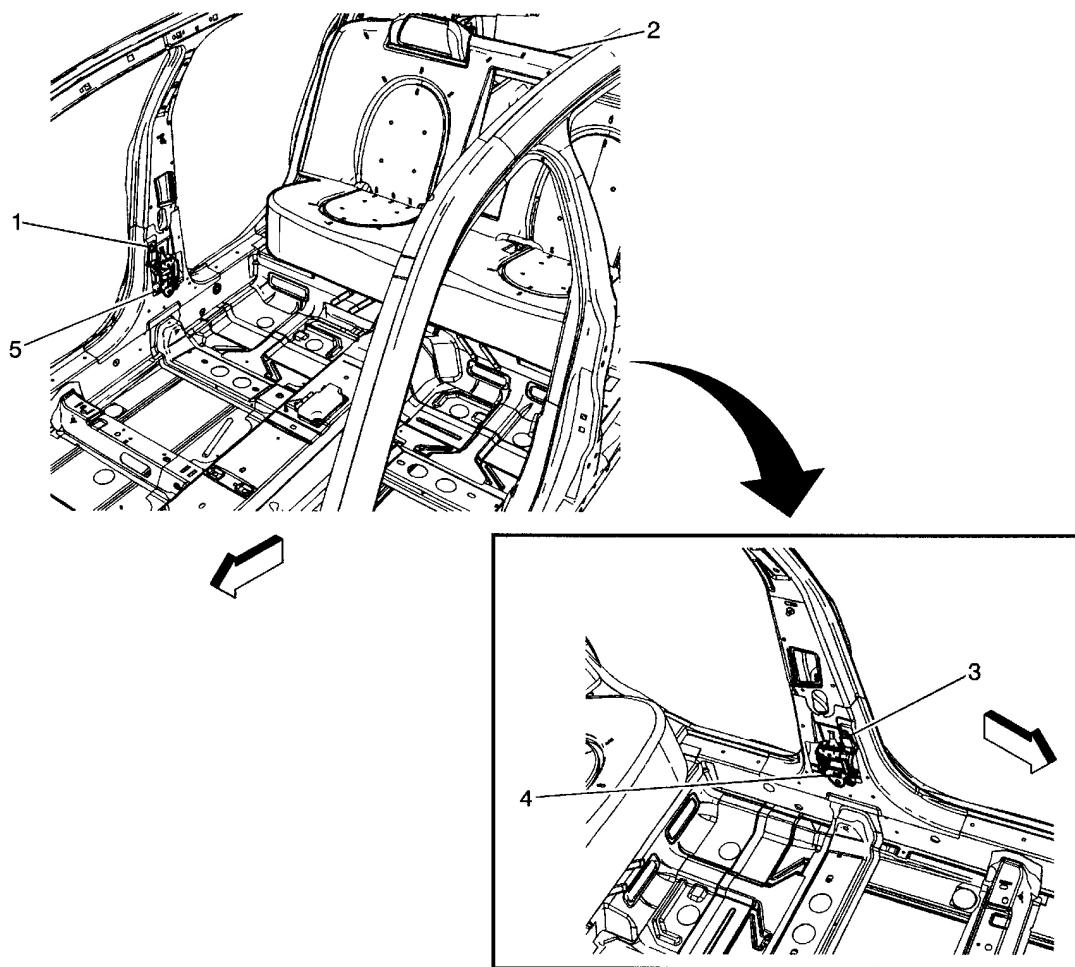
- (1) Inflatable Restraint Roof Rail Module - Left (AY0)
- (2) Inflatable Restraint I/P Module
- (3) Inflatable Restraint Roof Rail Module - Right (AY0)
- (4) Inflatable Restraint Steering Wheel Module

G00418232

Fig. 47: Vehicle Interior Overview
Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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- (1) Inflatable Restraint Side Impact Sensor - Right
- (2) Rear Seat
- (3) Inflatable Restraint Side Impact Sensor - Left
- (4) Inflatable Restraint Passenger Seat Belt Tension Retractor Sensor - Left
- (5) Inflatable Restraint Passenger Seat Belt Tension Retractor Sensor - Right

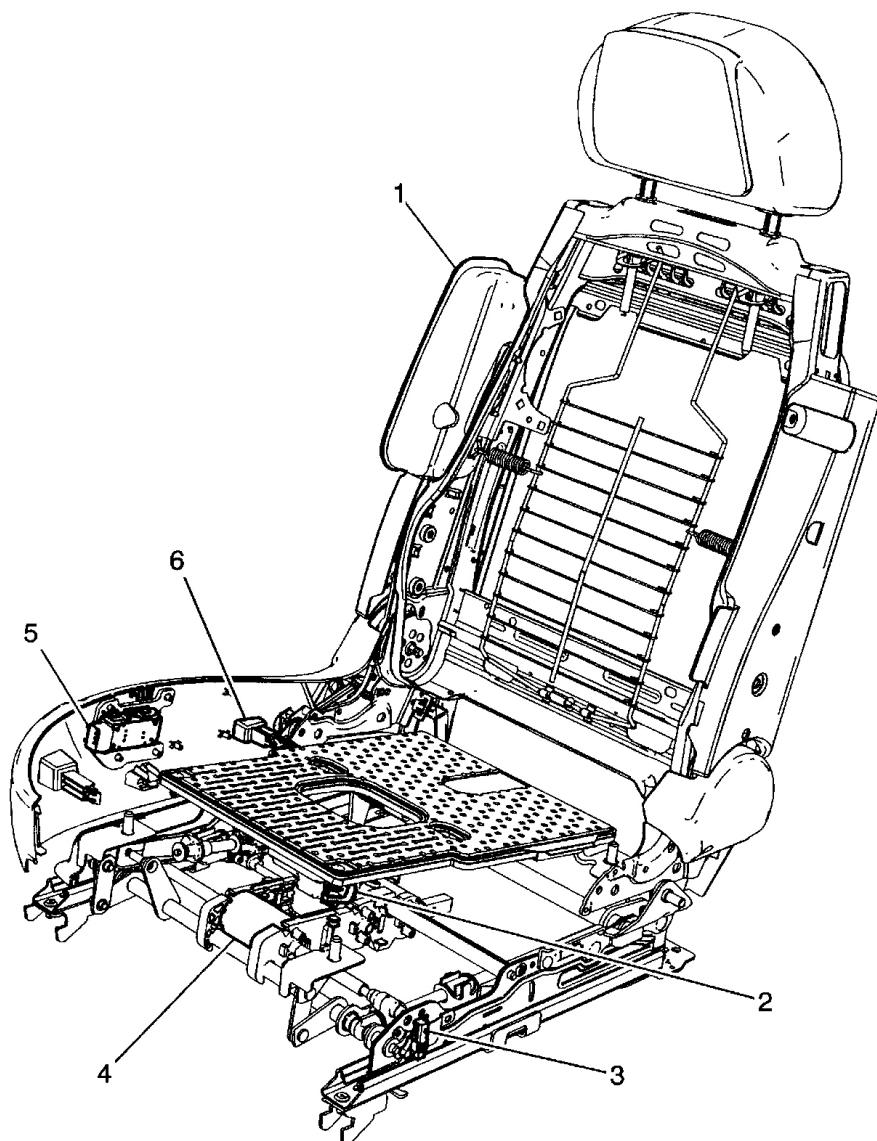
G00418233

Fig. 48: "B" Pillars

Courtesy of GENERAL MOTORS CORP.

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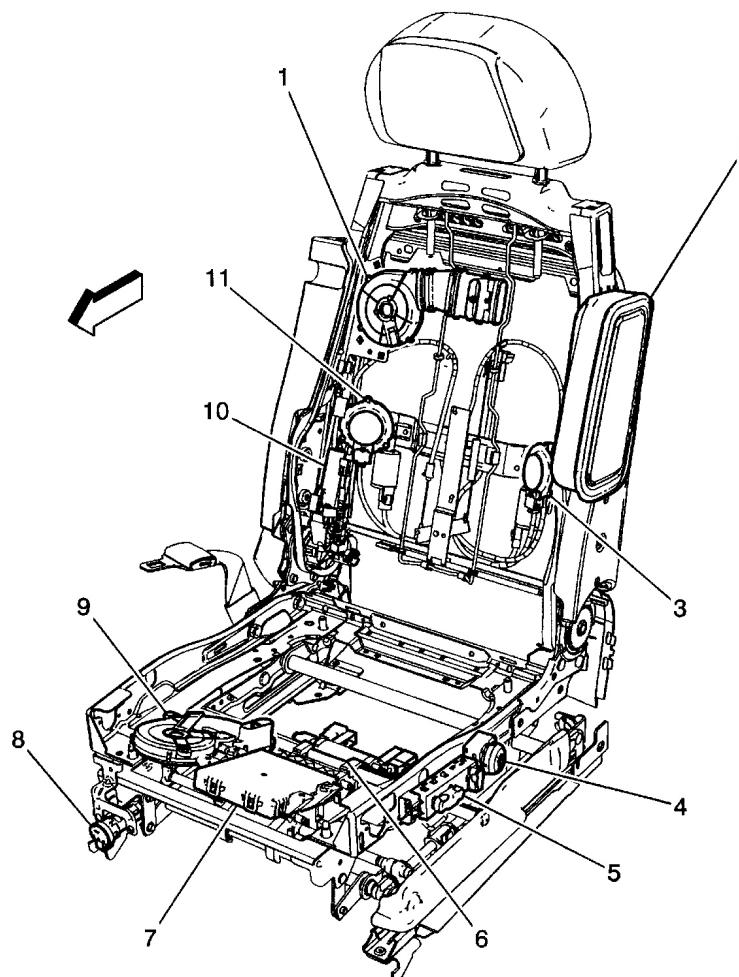
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- (1) Inflatable Restraint Side Impact Module - Right
- (2) Inflatable Restraint Passenger Presence System (PPS) Module
- (3) Inflatable Restraint Seat Position Sensor (SPS)-Right
- (4) Seat Adjuster Motor Assembly - Front Passenger
- (5) Seat Adjuster Switch - Passenger (AG2)
- (6) Inflatable Restraint Passenger Presence System (PPS) Sensor

G00418234

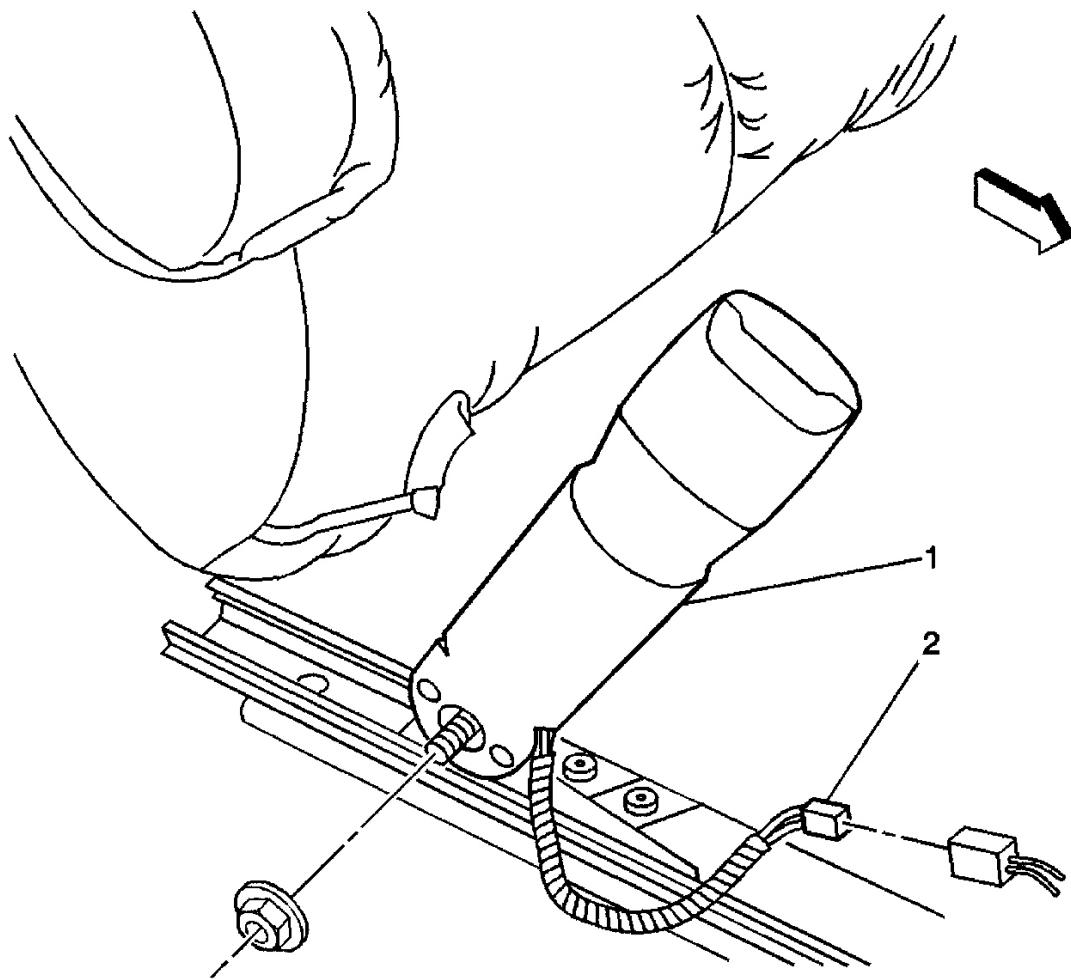
Fig. 49: Front Passenger's Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Seat Back Ventilation Heat & Cool Module - Driver (KB6)
- (2) Inflatable Restraint Side Impact Module - Left
- (3) Seat Lumbar Massage Motor - Driver (AM3)
- (4) Lumbar Adjuster Switch - Driver (AG1, A45)
- (5) Seat Adjuster Switch - Driver (AG1, A45)
- (6) Seat Adjuster Motor Assembly - Driver (AG1, A45)
- (7) Memory Seat Module
- (8) Auxiliary Power Outlet (AN3)
- (9) Seat Cushion Ventilation Heat & Cool Module - Driver (KB6)
- (10) Seat Recline Motor - Driver (AG1, A45)
- (11) Seat Lumbar Motor - Driver (AL2)

G00418235

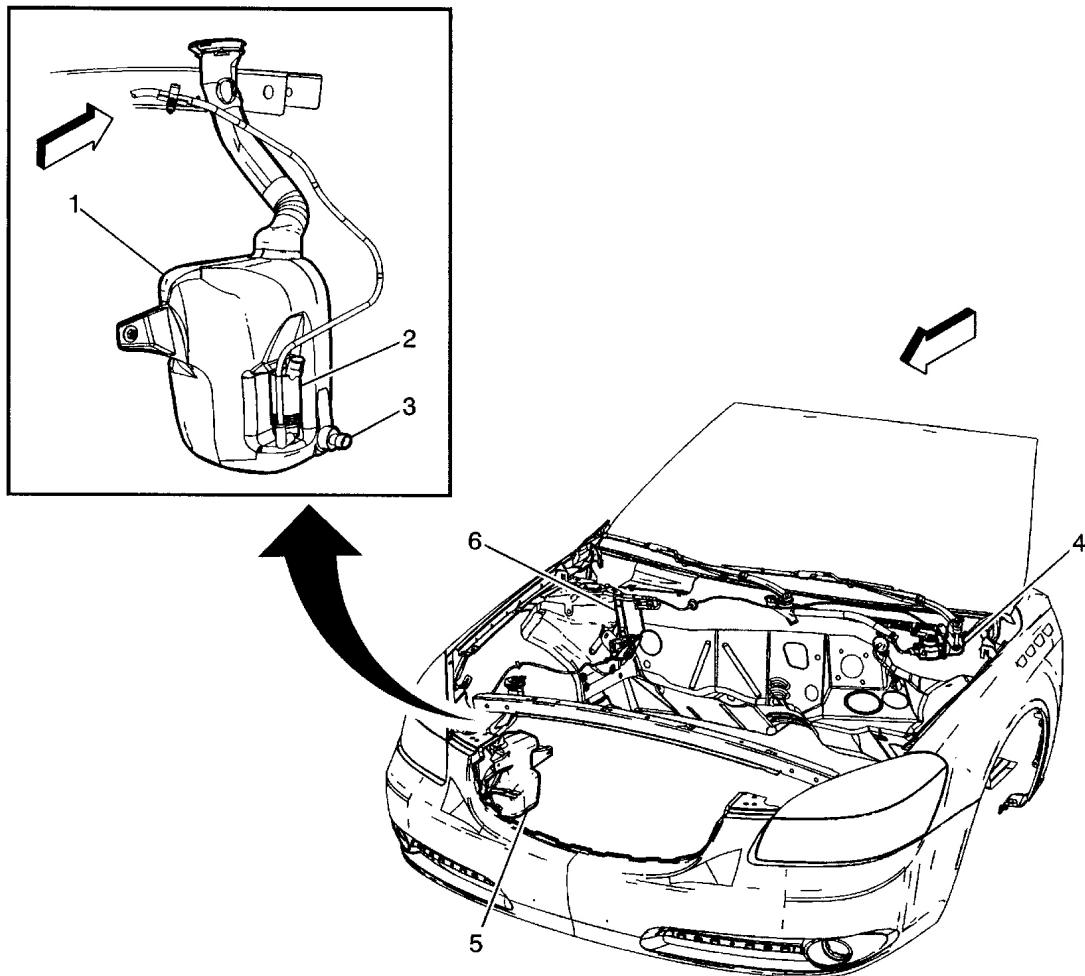
Fig. 50: Driver's Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Seat Belt Buckle
- (2) Seat Belt Switch Connector

G00418237

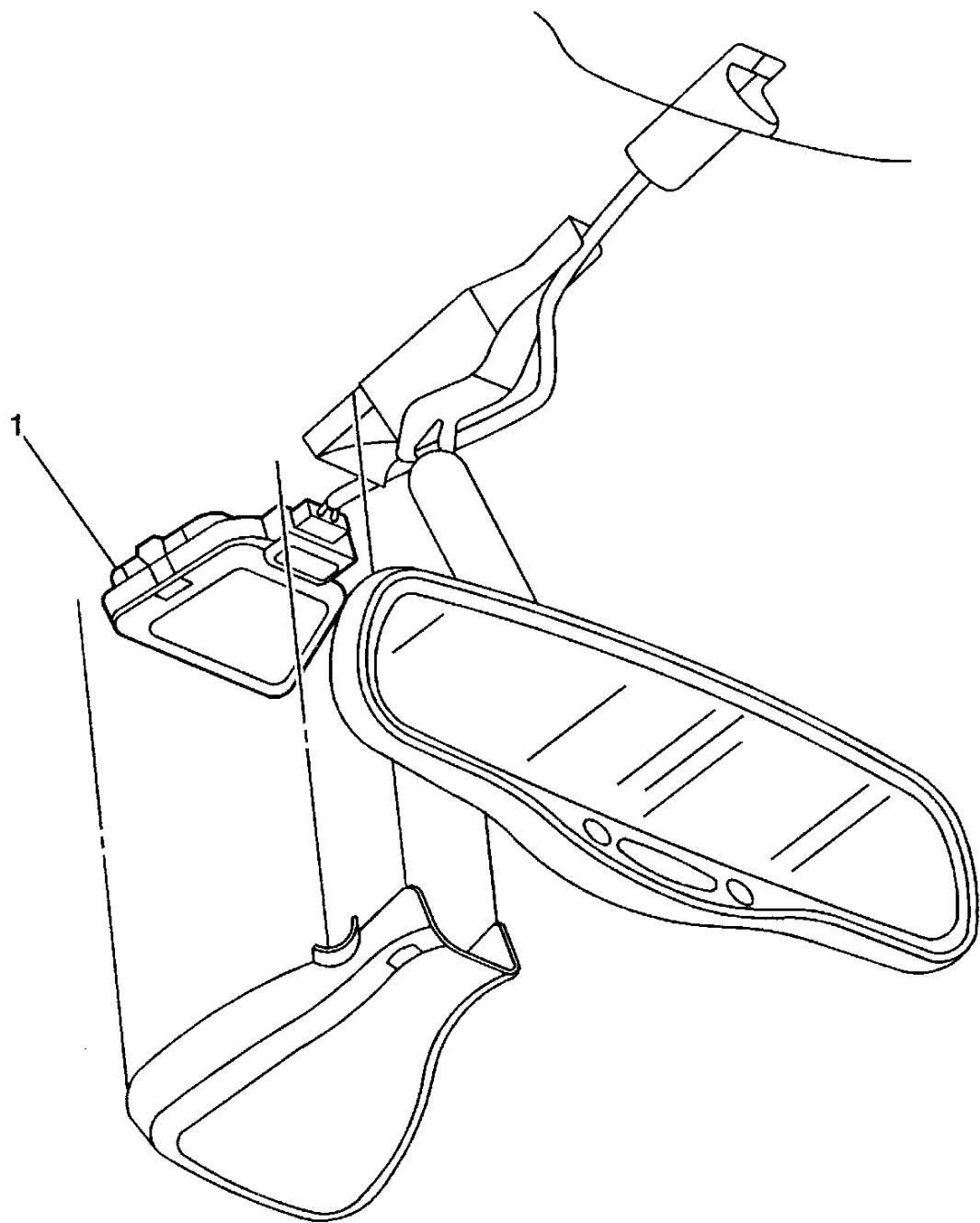
Fig. 51: Right Side Of Driver's Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Windshield Washer Fluid Container
- (2) Windshield Washer Fluid Pump
- (3) Windshield Washer Fluid Level Switch
- (4) Windshield Wiper Motor
- (5) Windshield Washer Fluid Container
- (6) Windshield Heated Washer Fluid Module (XA7)

G00418238

Fig. 52: Engine Compartment
Courtesy of GENERAL MOTORS CORP.



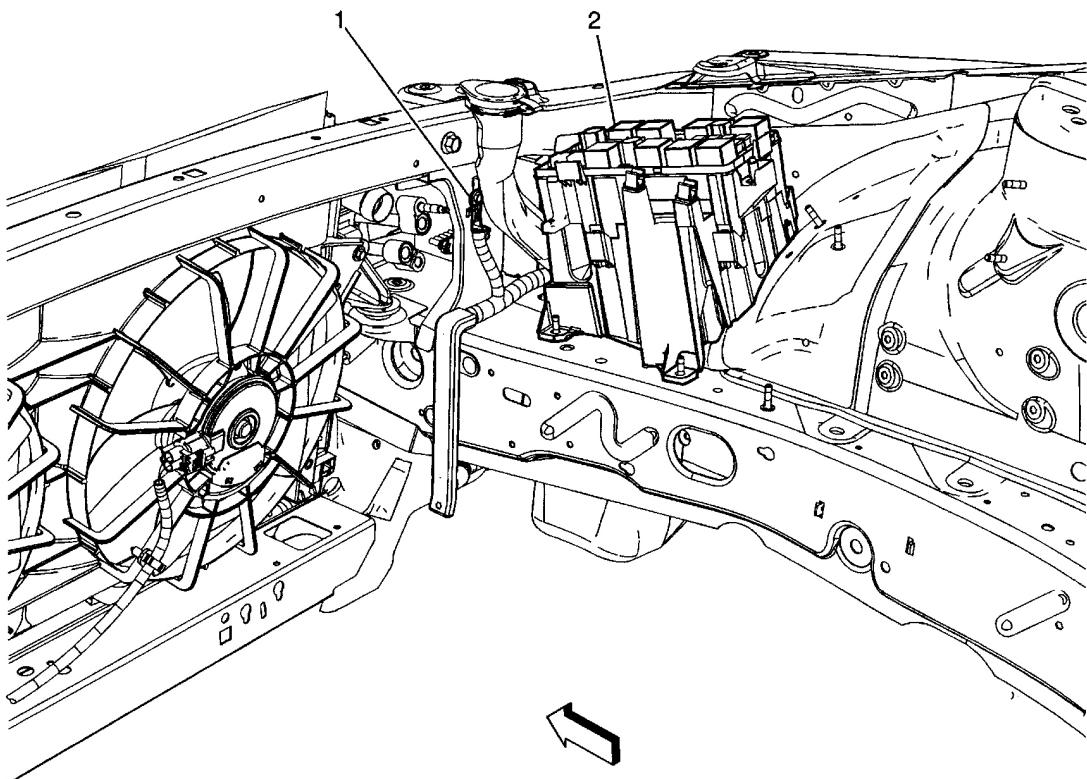
(1) Outside Moisture Sensor

G00418239

Fig. 53: Upper Center Of Windshield
Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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(1) G104

(2) Fuse Block - Underhood

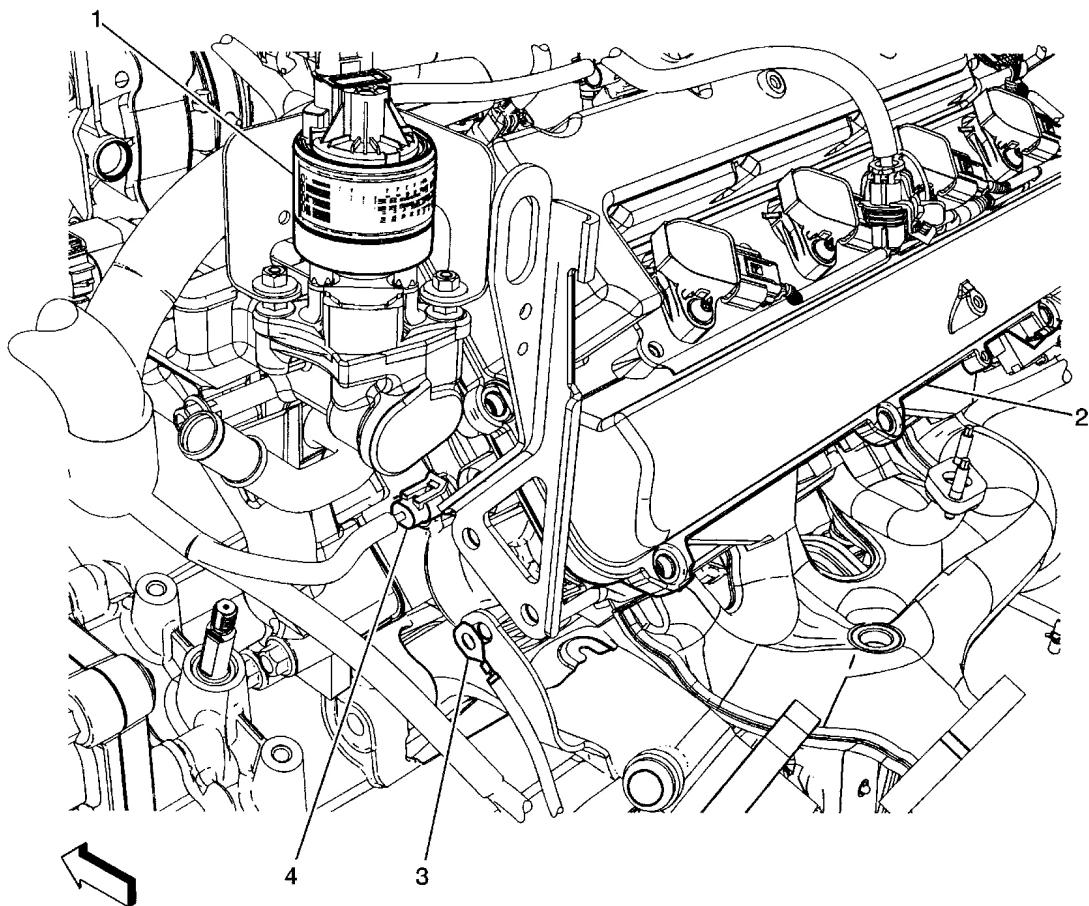
G00418240

Fig. 54: Right Front Of Engine Compartment

Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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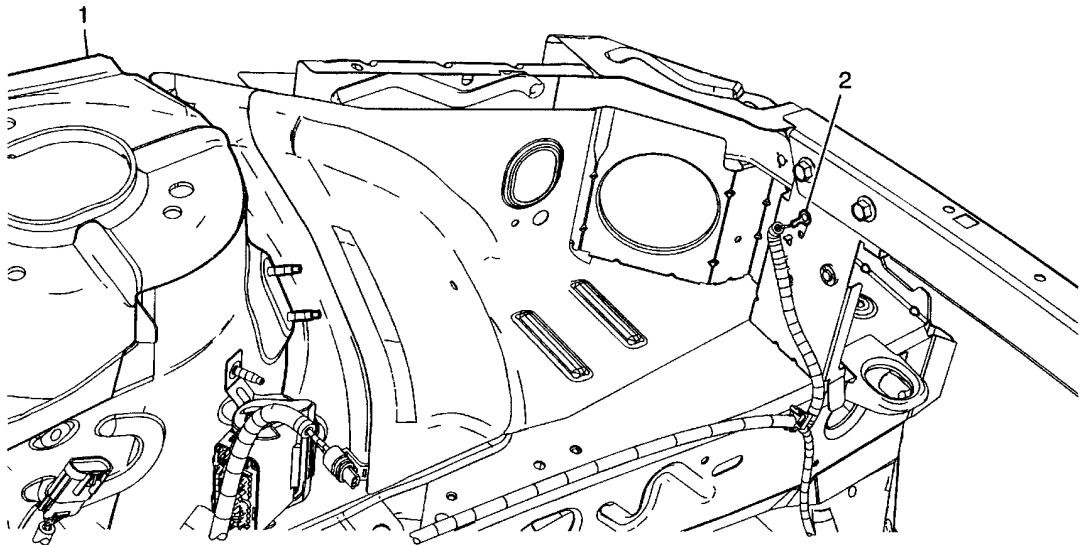
- (1) Exhaust Gas Recirculation (EGR) Valve
- (2) Valve Cover
- (3) G100
- (4) Engine Coolant Temperature (ECT) Sensor

G00418241

Fig. 55: Right Rear Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.

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(1) LF Strut Tower

(2) G101

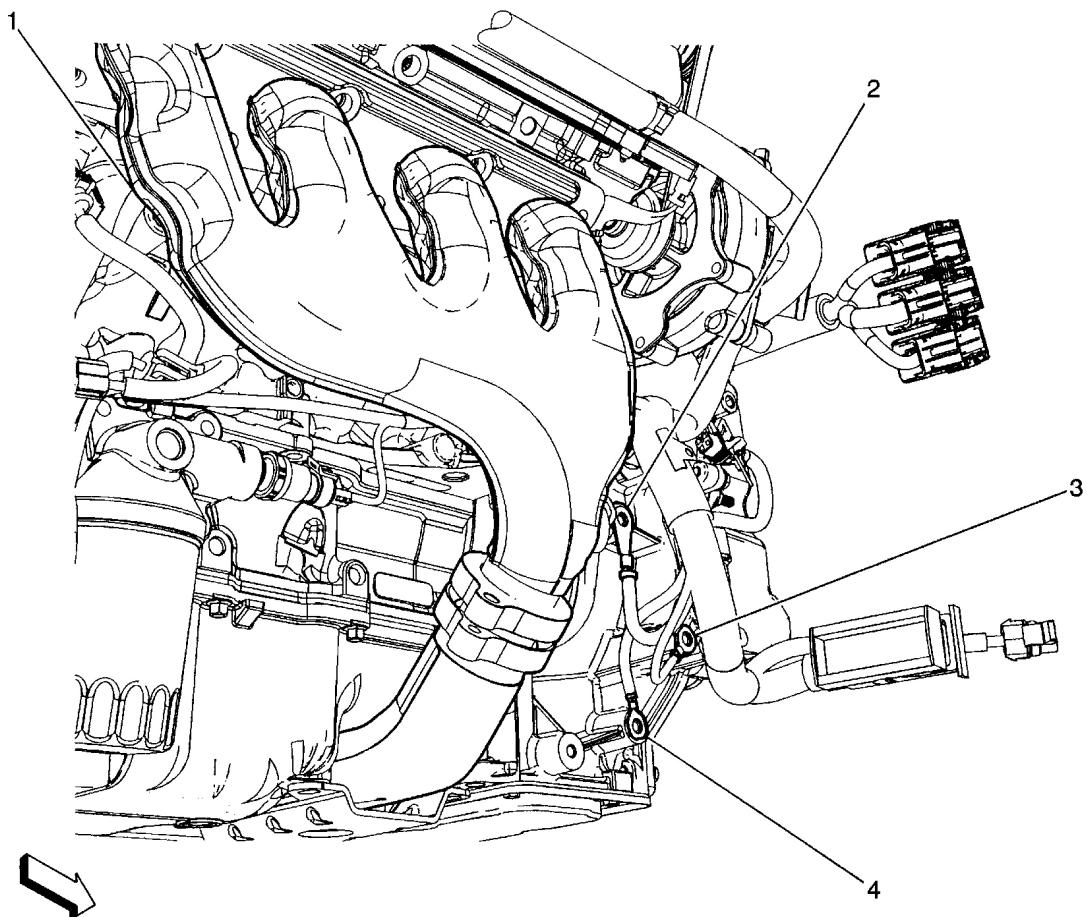
G00418242

Fig. 56: Left Front Of Engine Compartment

Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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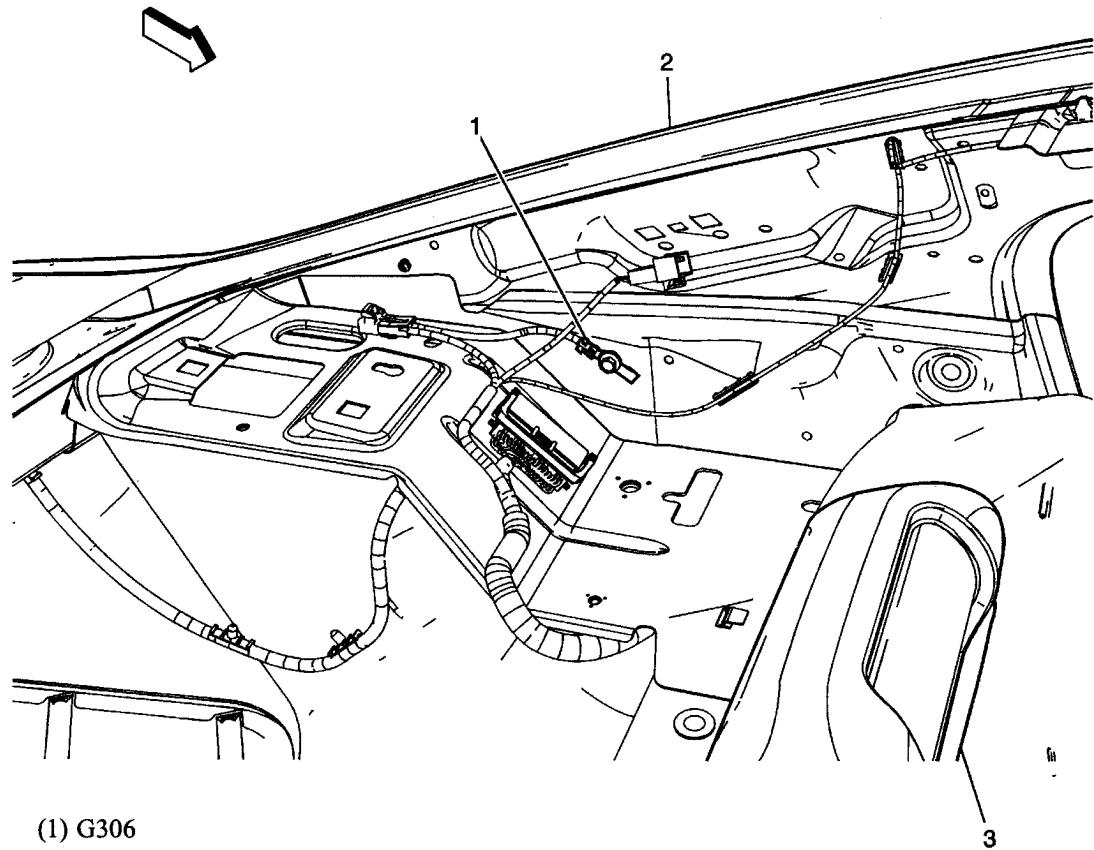
- (1) Exhaust Manifold
- (2) G114
- (3) G112
- (4) G115

G00418243

Fig. 57: Bottom Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.

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- (1) G306
- (2) LR C - Pillar
- (3) Rear Seat

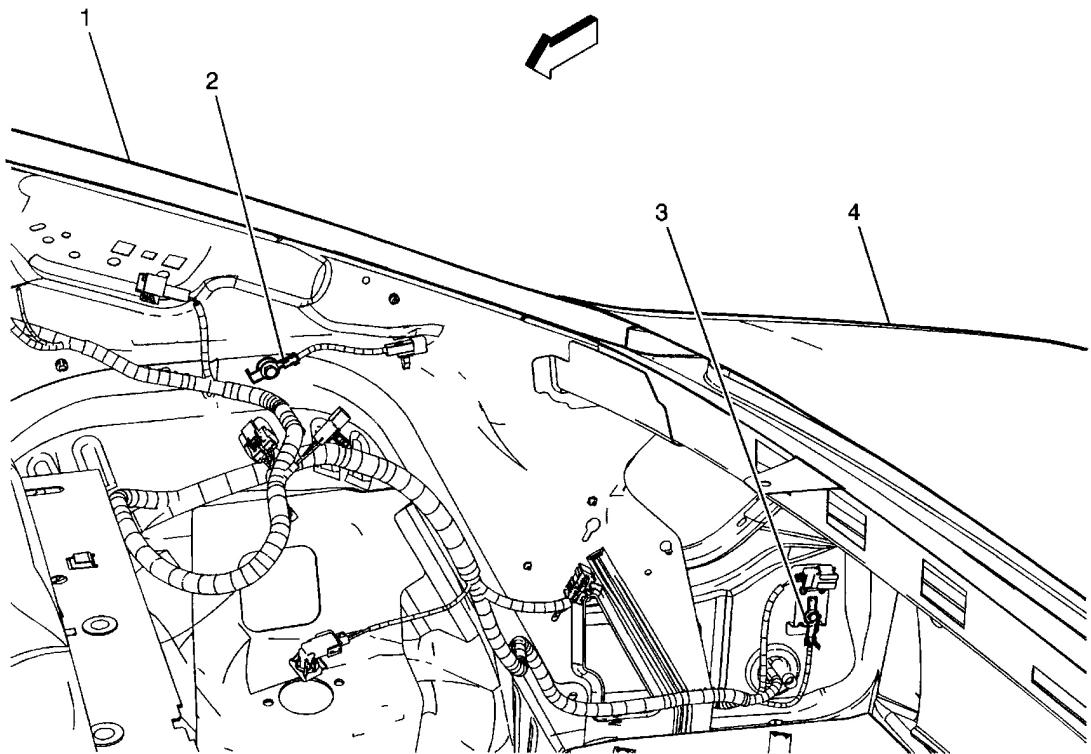
G00418244

Fig. 58: Left Rear Of Passenger Compartment

Courtesy of GENERAL MOTORS CORP.

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(1) RR C-Pillar

(2) G307

(3) G403

(4) Deck Lid

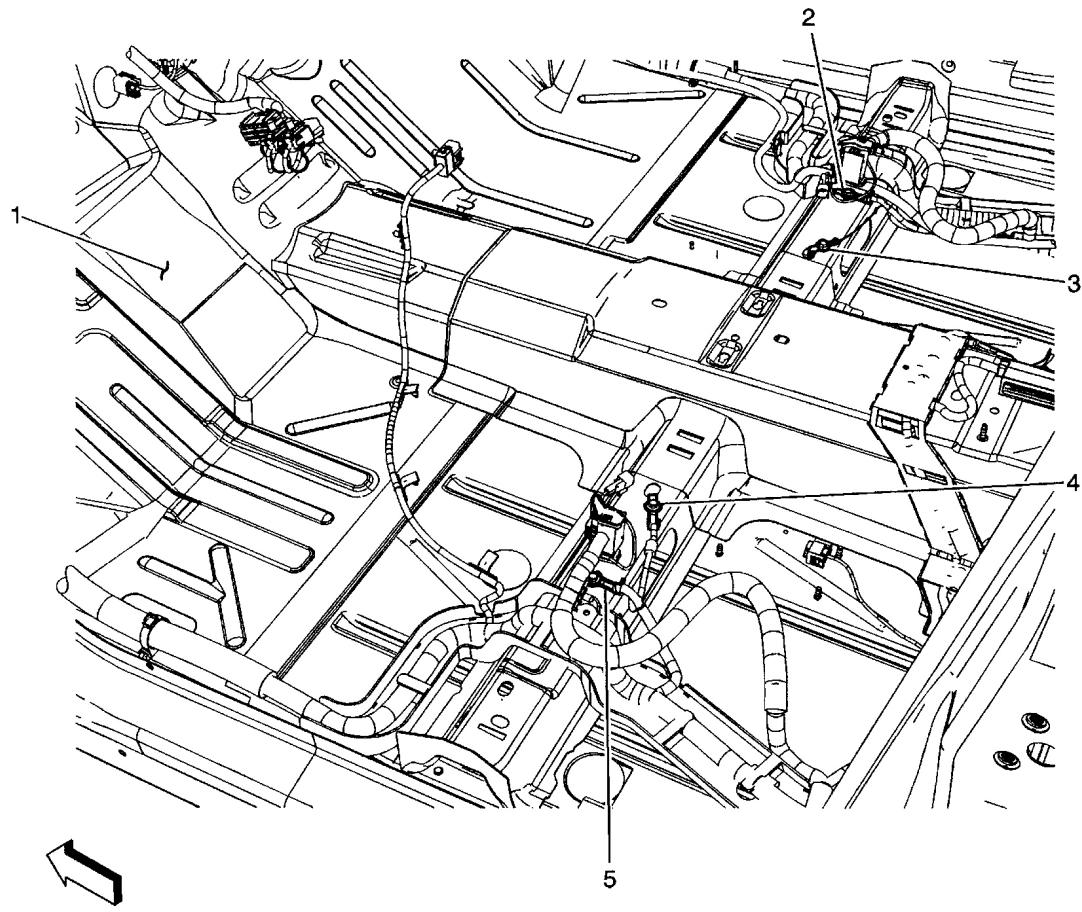
G00418245

Fig. 59: Right Rear Of Passenger Compartment

Courtesy of GENERAL MOTORS CORP.

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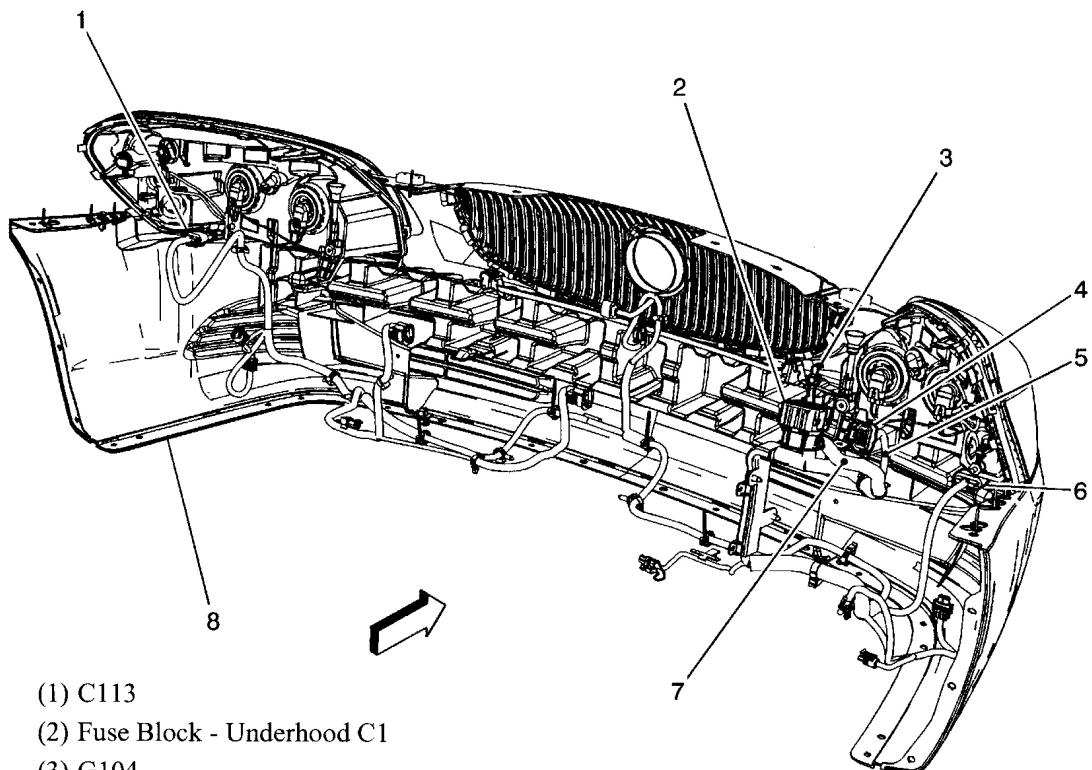
- (1) Floor Panel
- (2) G304
- (3) G302
- (4) G300
- (5) G305

G00418246

Fig. 60: Vehicle Front Floor Pan
Courtesy of GENERAL MOTORS CORP.

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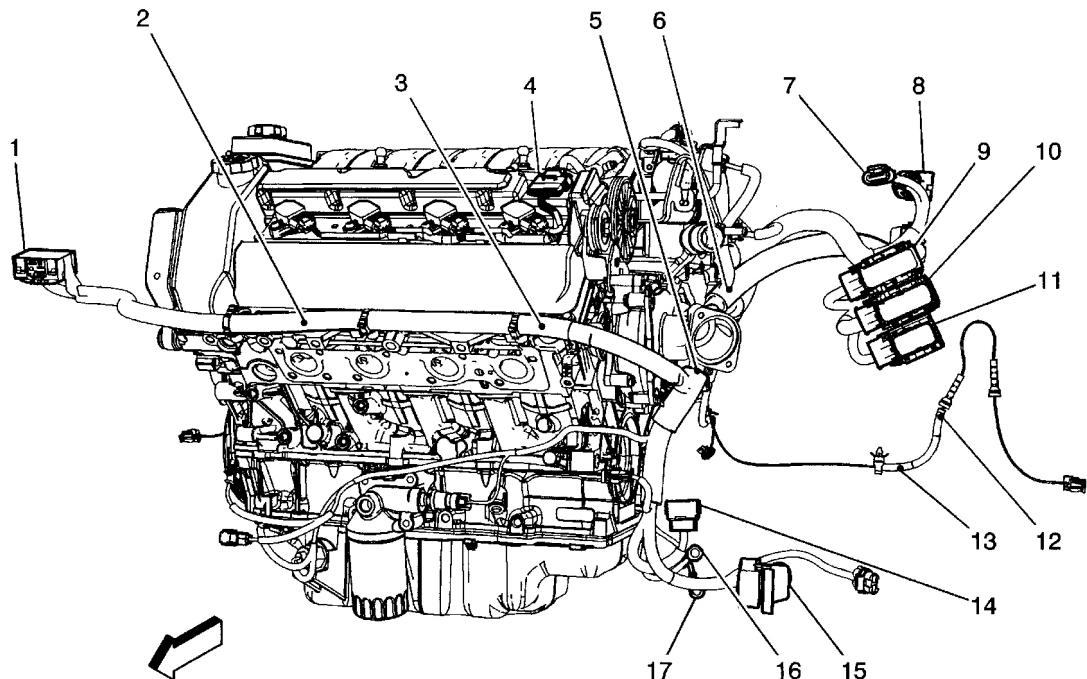
- (1) C113
- (2) Fuse Block - Underhood C1
- (3) G104
- (4) C120
- (5) S124
- (6) C114
- (7) S125
- (8) Front Fascia

G00418247

Fig. 61: Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

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- (1) Fuse Block - Underhood C3
- (2) S111
- (3) S100
- (4) C139
- (5) S105
- (6) S106
- (7) Mass Air Flow (MAF)/ Intake Air Temperature (IAT) Sensor Connector
- (8) Transmission Control Module (TCM) C1 Connector
- (9) Engine Control Module (ECM) C3
- (10) Engine Control Module (ECM) C2

G00418248

Fig. 62: Left Side Of Engine (4.6L) (1 Of 2)

Courtesy of GENERAL MOTORS CORP.

- (11) Engine Control Module (ECM) C1
- (12) S114
- (13) S113
- (14) C175
- (15) Electronic Brake Control Module (EBCM) Connector
- (16) G115
- (17) G114

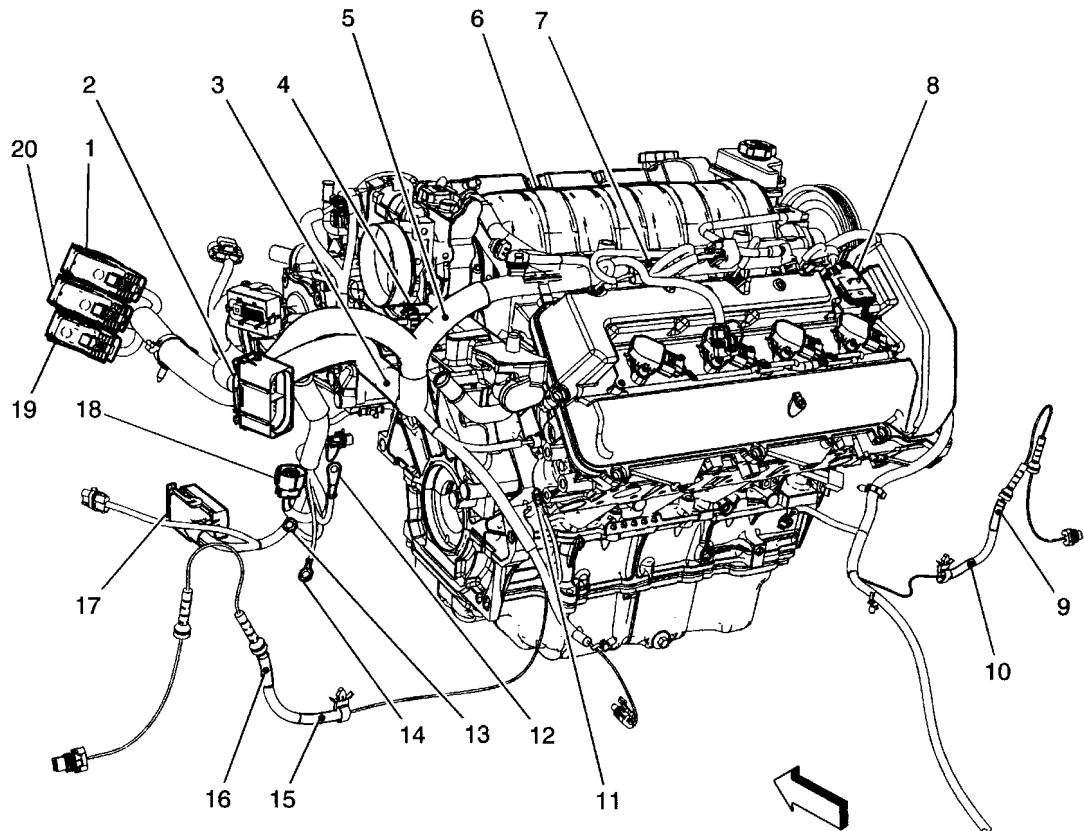
G00418249

Fig. 63: Left Side Of Engine (4.6L) (2 Of 2)

Courtesy of GENERAL MOTORS CORP.

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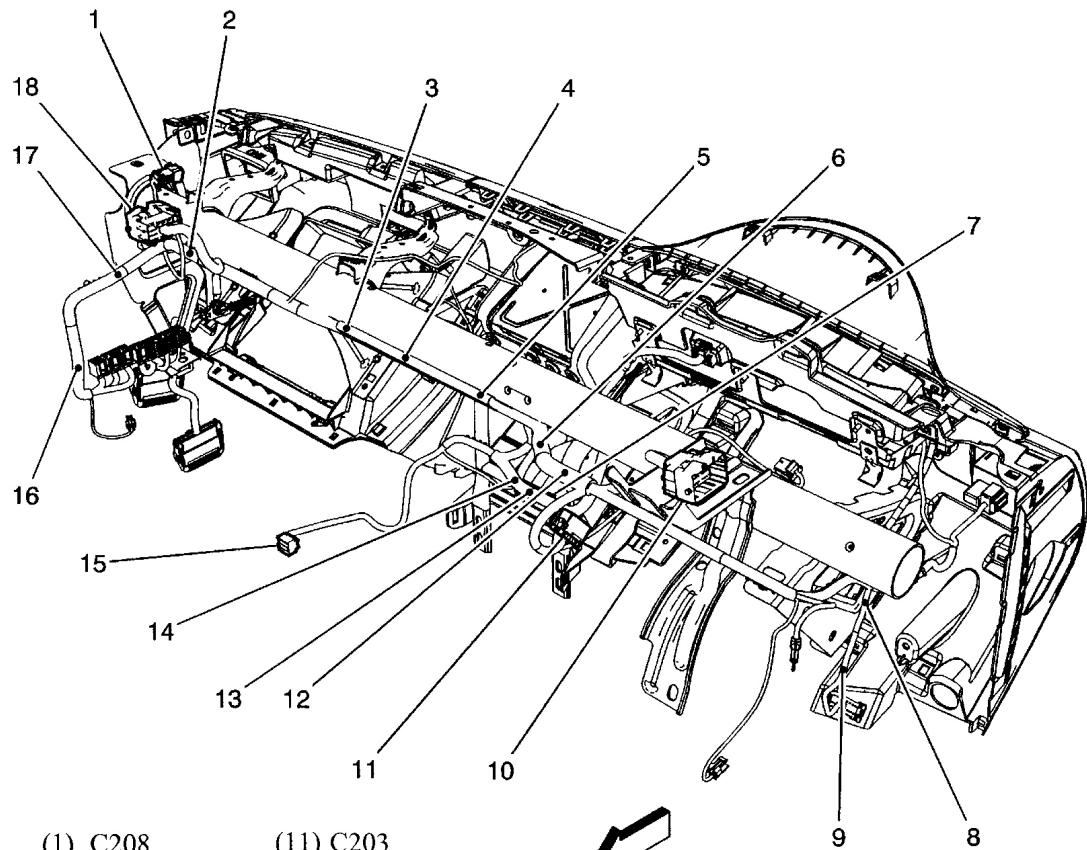
- (1) Engine Control Module (ECM) C3
- (2) C111
- (3) S110
- (4) C138
- (5) S102
- (6) Intake Manifold
- (7) C161
- (8) C140
- (9) S116
- (10) S115

G00418250

Fig. 64: Right Side Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.

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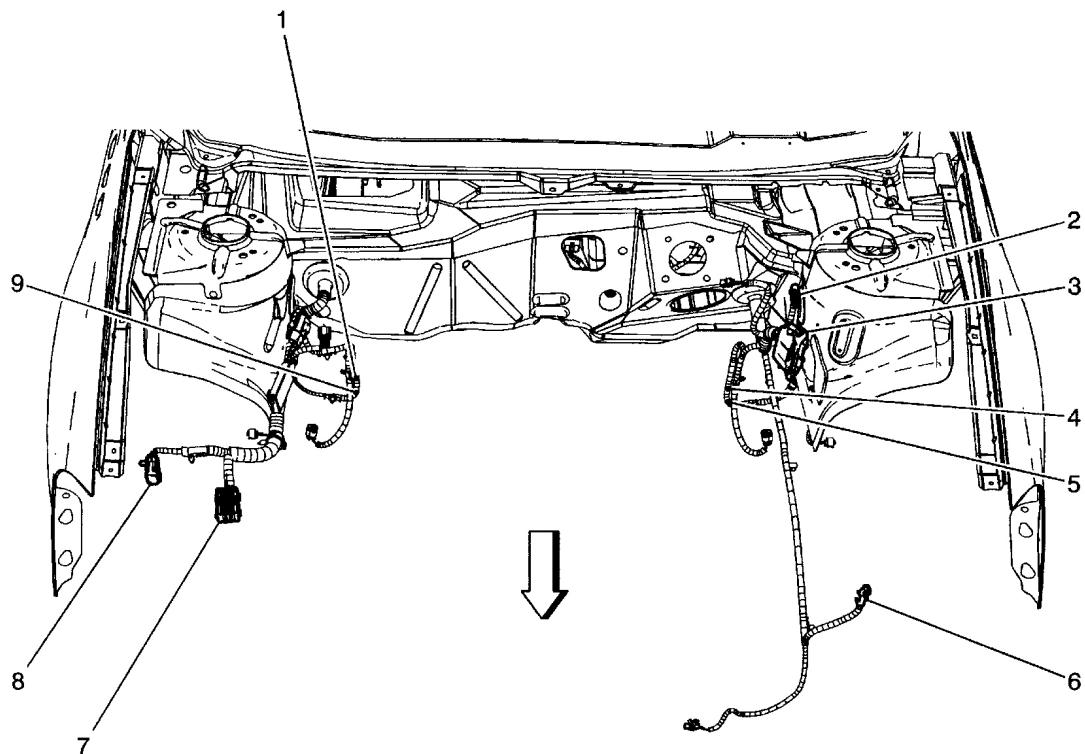
(1) C208	(11) C203
(2) S206	(12) S203
(3) S202	(13) S213
(4) S212	(14) S229
(5) S210	(15) S202
(6) S200	(16) S211
(7) C219	(17) S230
(8) S207	(18) C200
(9) S208	
(10) C201	

G00418251

Fig. 65: Rear Of Dash
Courtesy of GENERAL MOTORS CORP.

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- (1) S128
- (2) C100
- (3) C111
- (4) C127
- (5) S126
- (6) G101
- (7) Fuse Block - Underhood C2
- (8) C120
- (9) S129

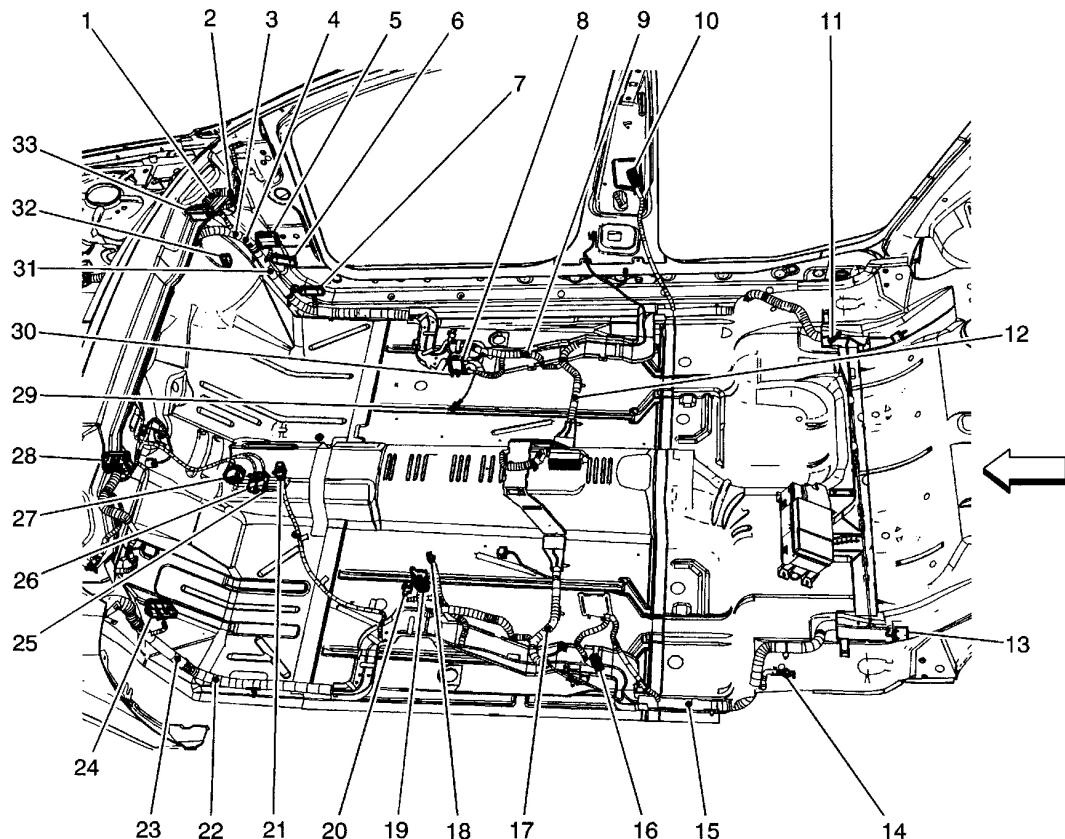
G00418253

Fig. 66: Engine Compartment

Courtesy of GENERAL MOTORS CORP.

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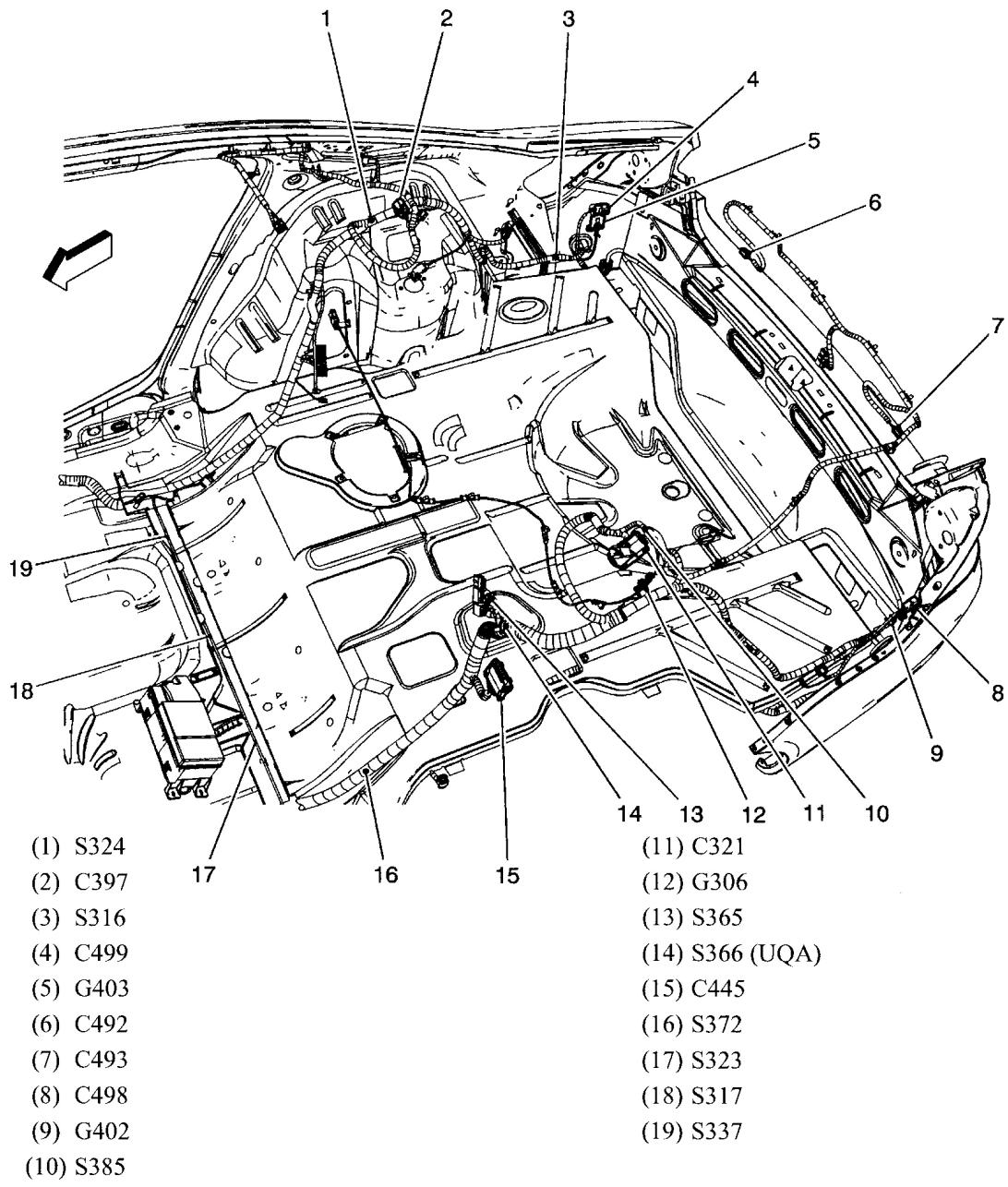
(1) Body Harness	(15) S302	(29) G302
(2) Dash Panel	(16) C303	(30) G304
(3) S337	(17) S333	(31) S375
(4) S376	(18) G300	(32) C206
(5) C301	(19) C315	(33) C200
(6) C325	(20) G305	
(7) C326	(21) C340	
(8) C314	(22) S379	
(9) S343	(23) S378	
(10) C302	(24) C300	
(11) C124	(25) C316	
(12) S370	(26) C202	
(13) SP300	(27) C205	
(14) G301	(28) C201	

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Fig. 67: Passenger Compartment Floor
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2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne



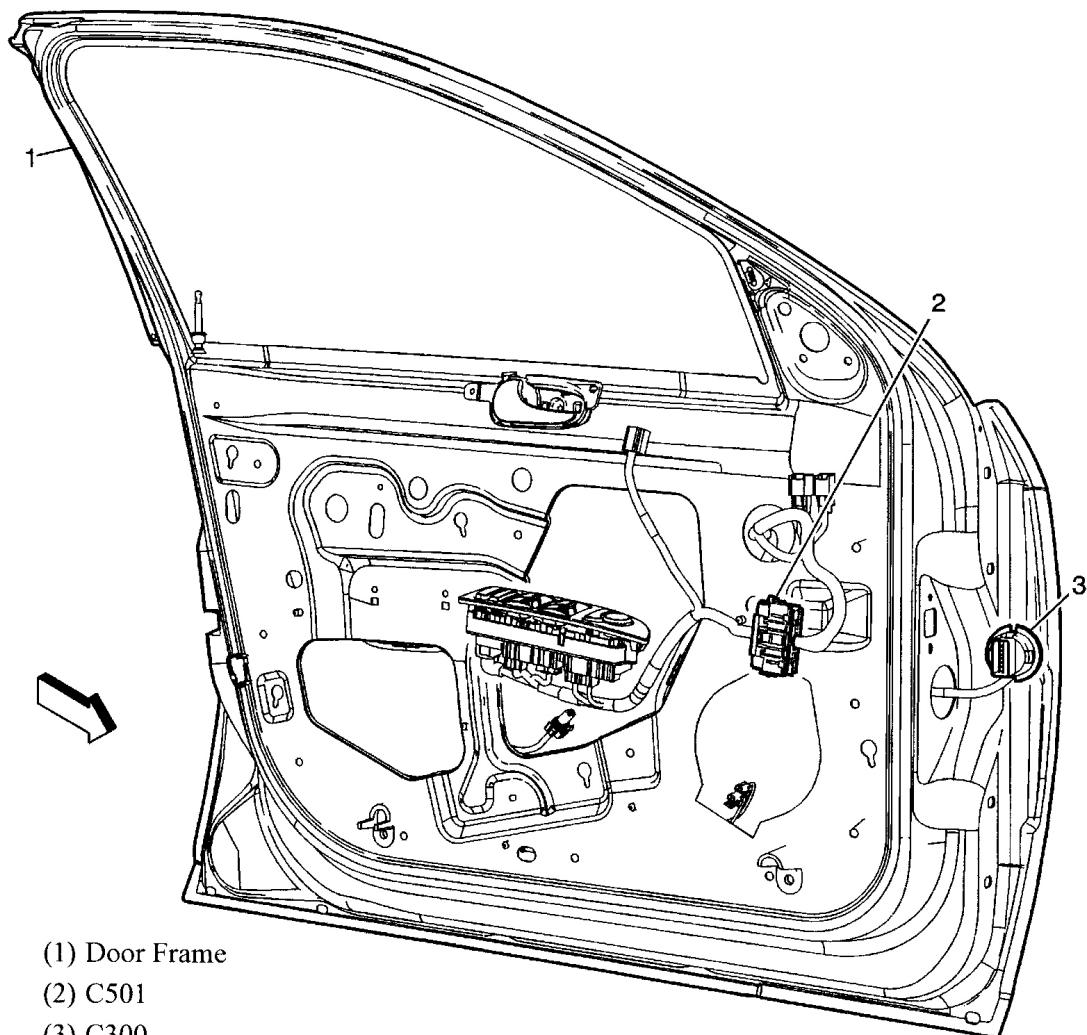
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Fig. 68: Rear Compartment

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2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne



(1) Door Frame

(2) C501

(3) C300

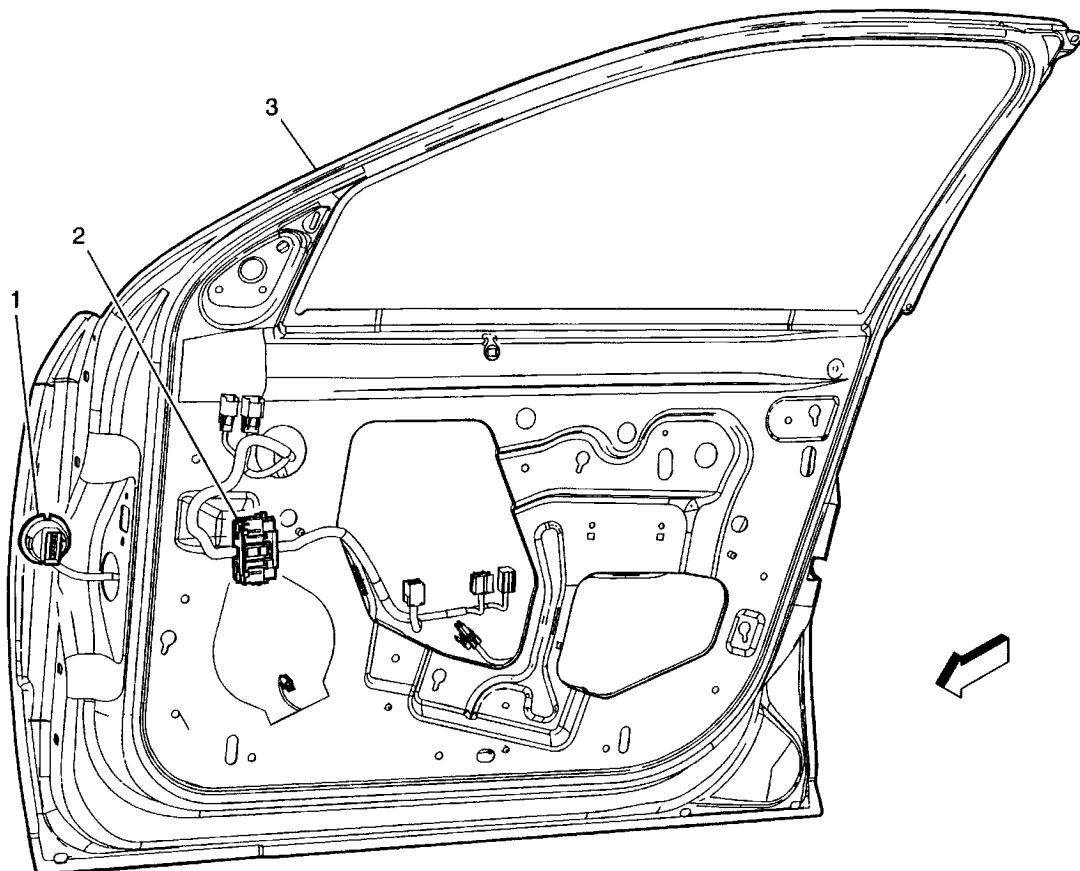
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Fig. 69: Driver's Door

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2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne



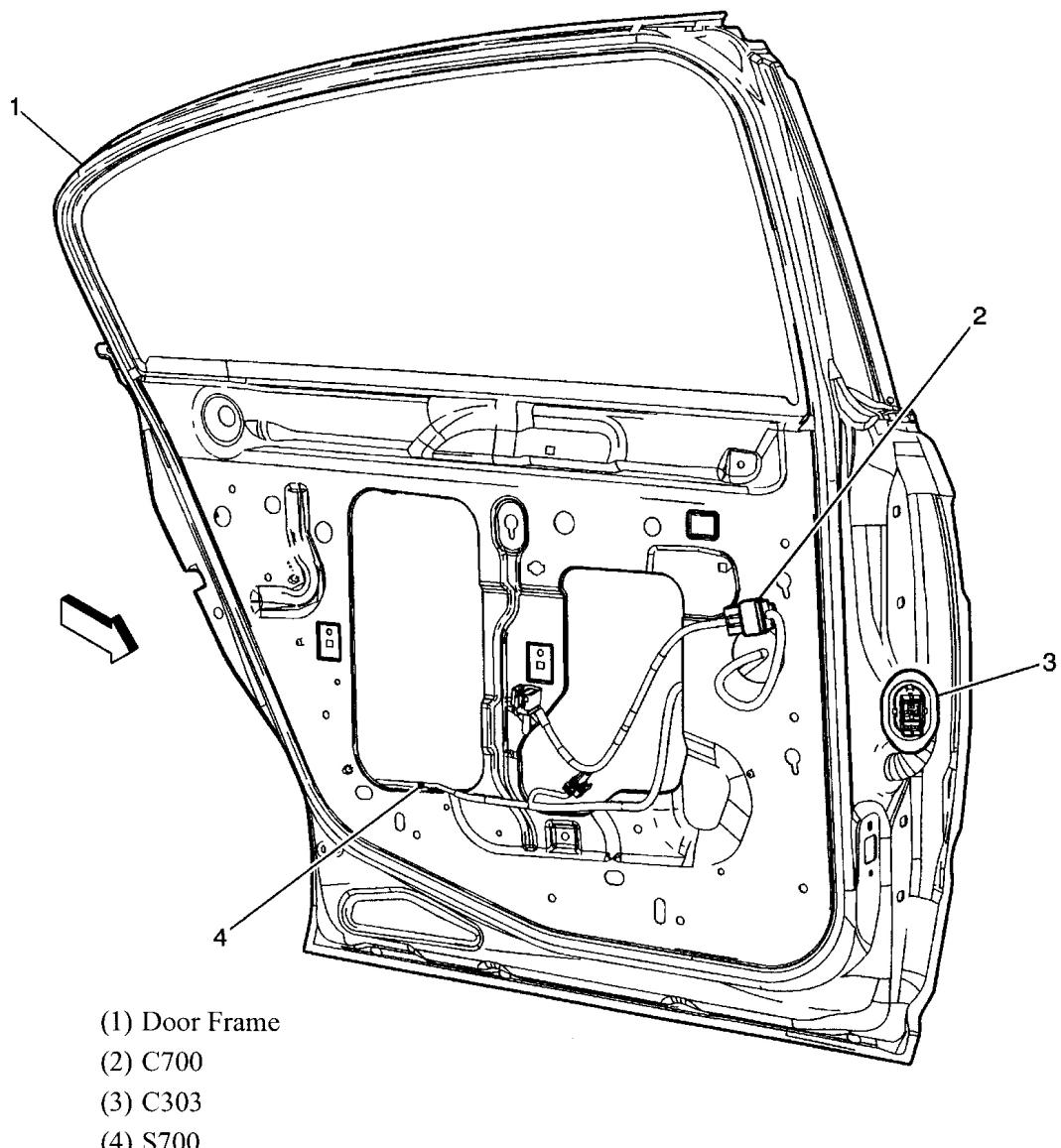
- (1) C301
- (2) C601
- (3) Door Frame

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Fig. 70: Front Passenger's Door
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2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne



(1) Door Frame

(2) C700

(3) C303

(4) S700

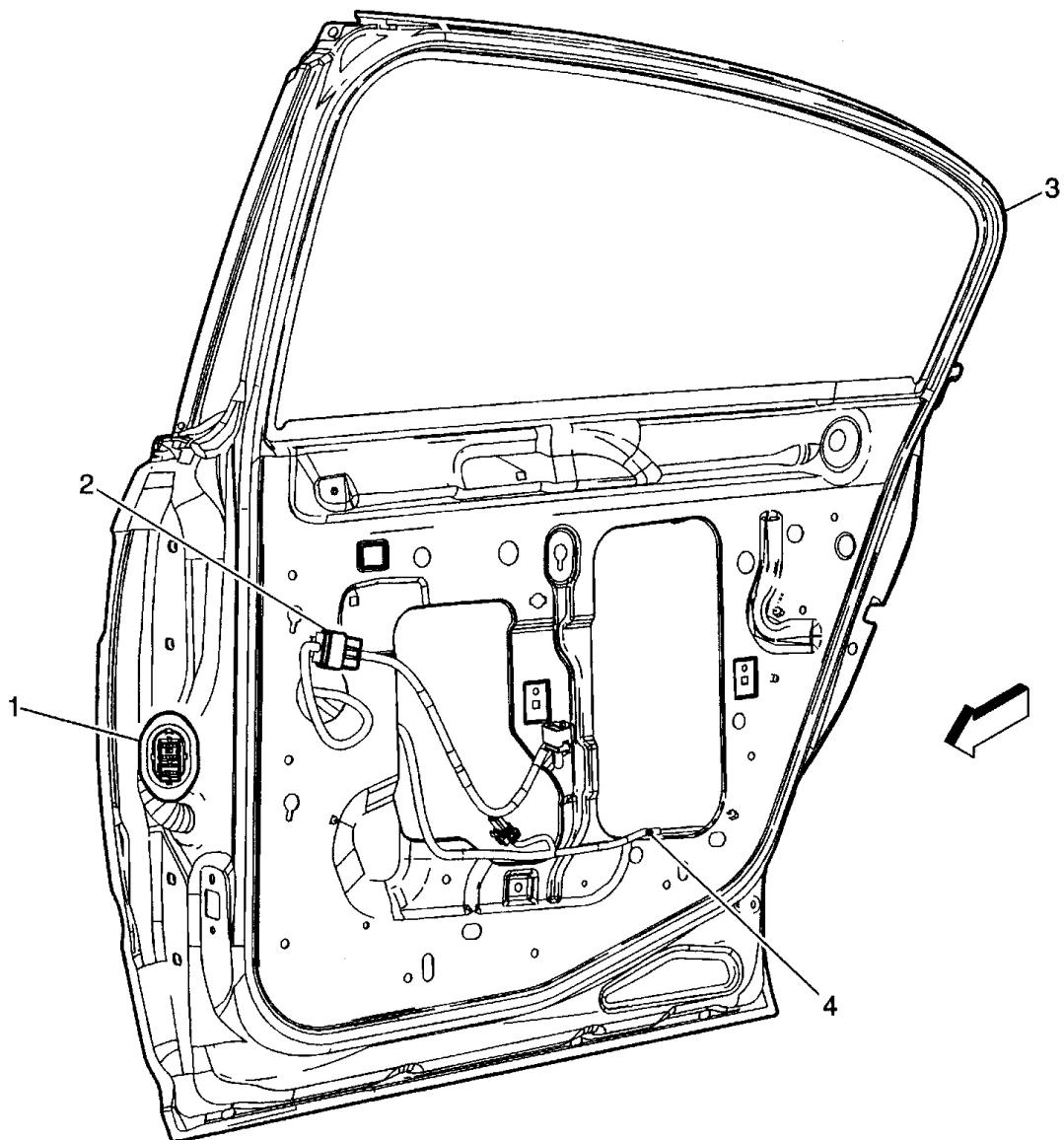
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Fig. 71: Left Rear Door

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2006 Buick Lucerne CXS

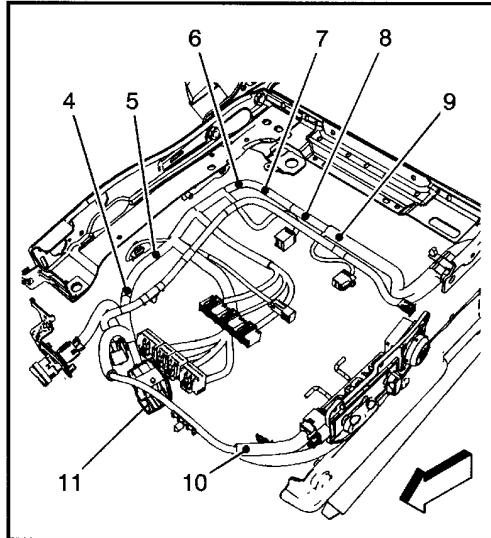
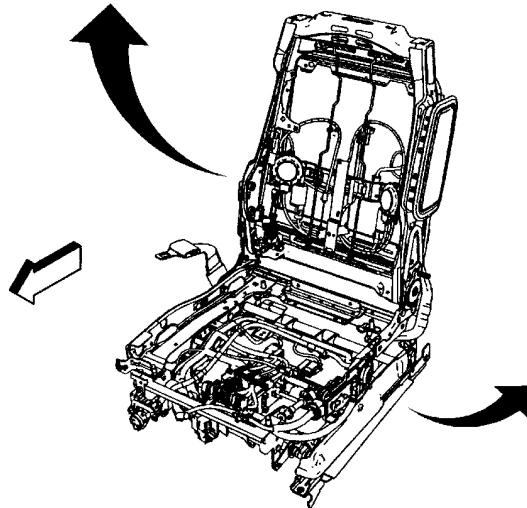
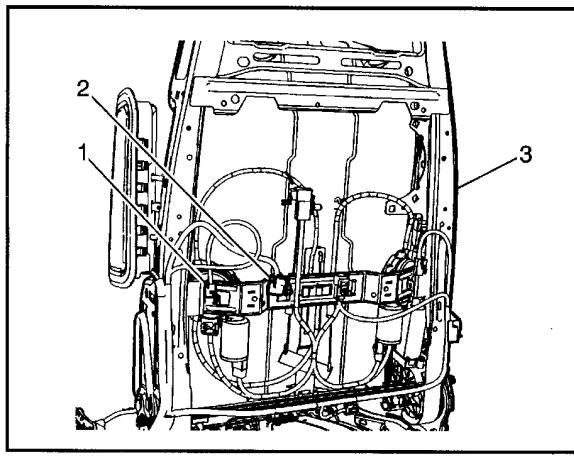
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- (1) C302
- (2) C800
- (3) Door Frame
- (4) S800

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Fig. 72: Right Rear Door
Courtesy of GENERAL MOTORS CORP.



- (1) Lumbar Sensor Connector
- (2) Lumbar Motor Connector
- (3) Seat Frame
- (4) S305
- (5) S356
- (6) S352
- (7) S355
- (8) S359
- (9) S351
- (10) S349

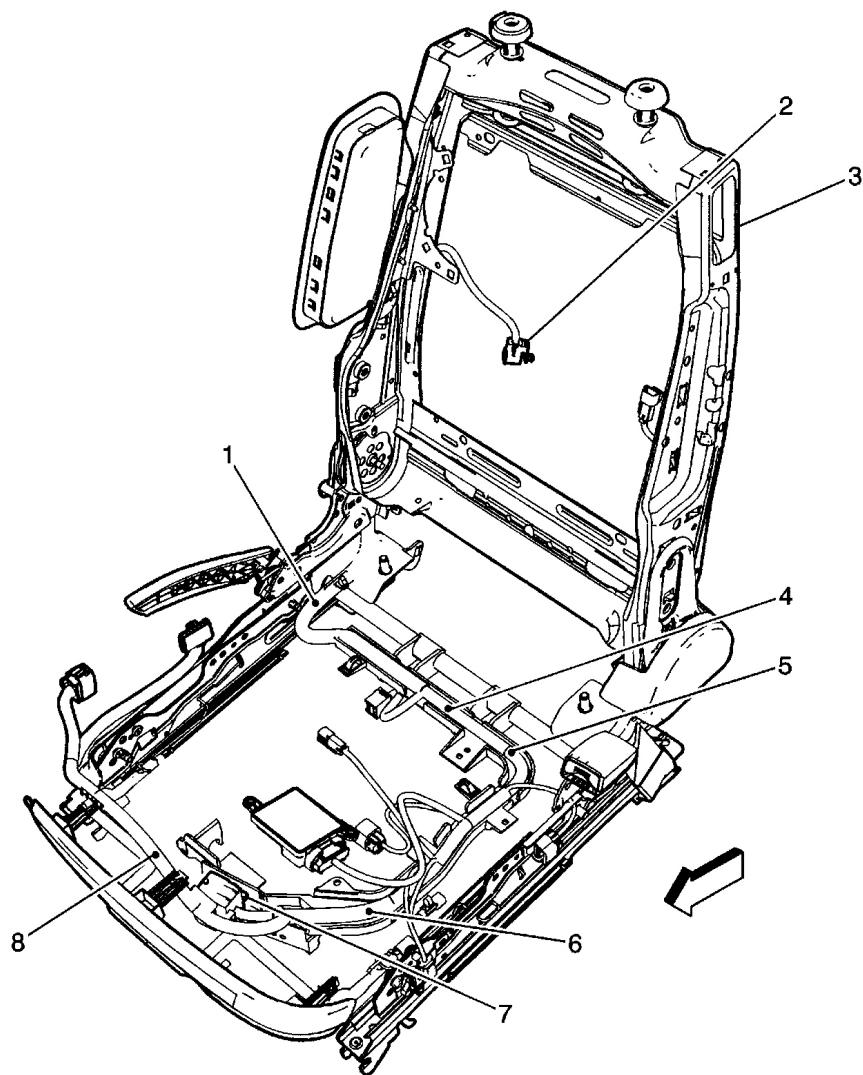
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Fig. 73: Driver's Seat

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2006 Buick Lucerne CXS

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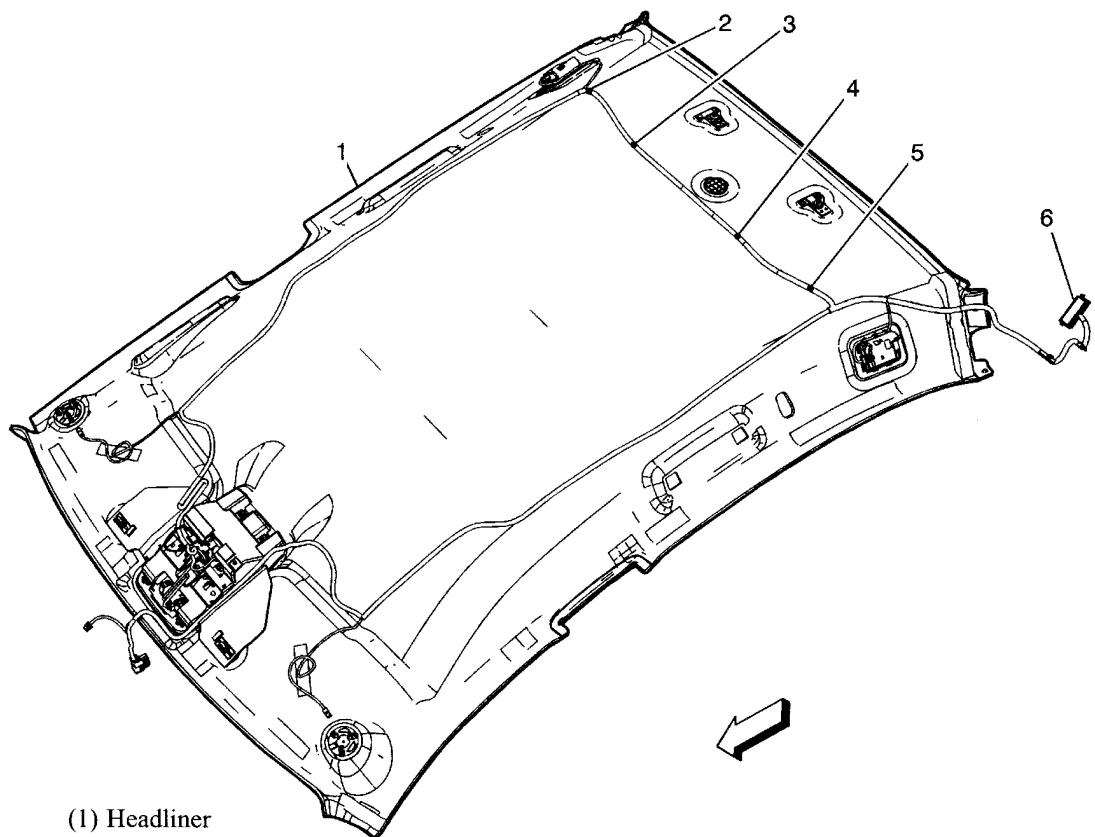
- (1) S358
- (2) Lumbar Assembly Connector
- (3) Seat Frame
- (4) S360
- (5) S357
- (6) S306
- (7) C314
- (8) S348

G00418263

Fig. 74: Front Passenger's Seat
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2006 Buick Lucerne CXS

2006 GENERAL MOTORS Lucerne



- (1) Headliner
- (2) S385
- (3) S328
- (4) S313
- (5) S312
- (6) C321

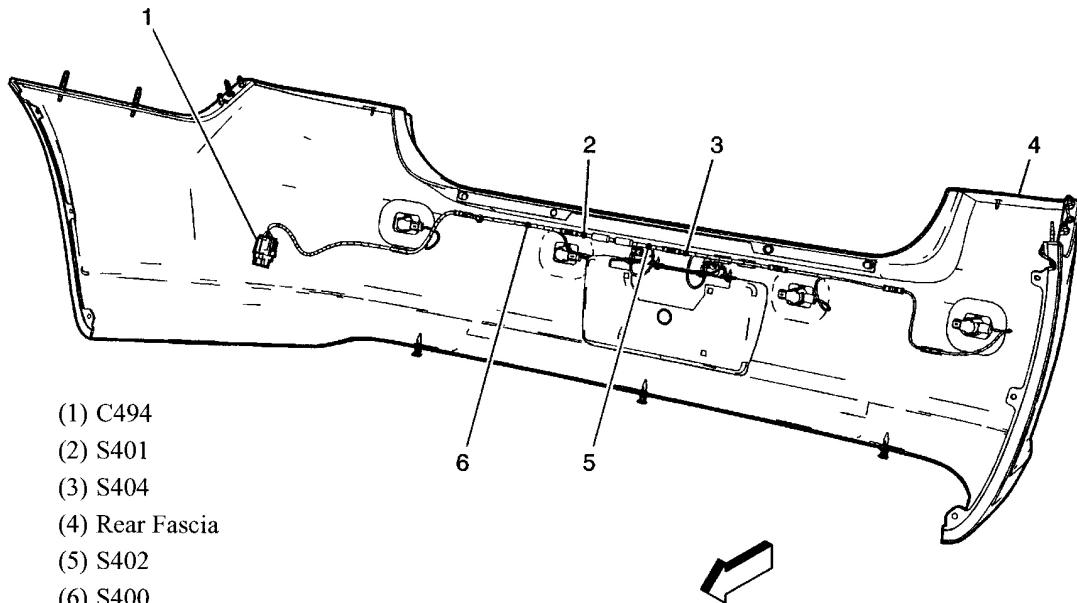
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Fig. 75: Roof (W/O Sunroof)

Courtesy of GENERAL MOTORS CORP.

2006 Buick Lucerne CXS

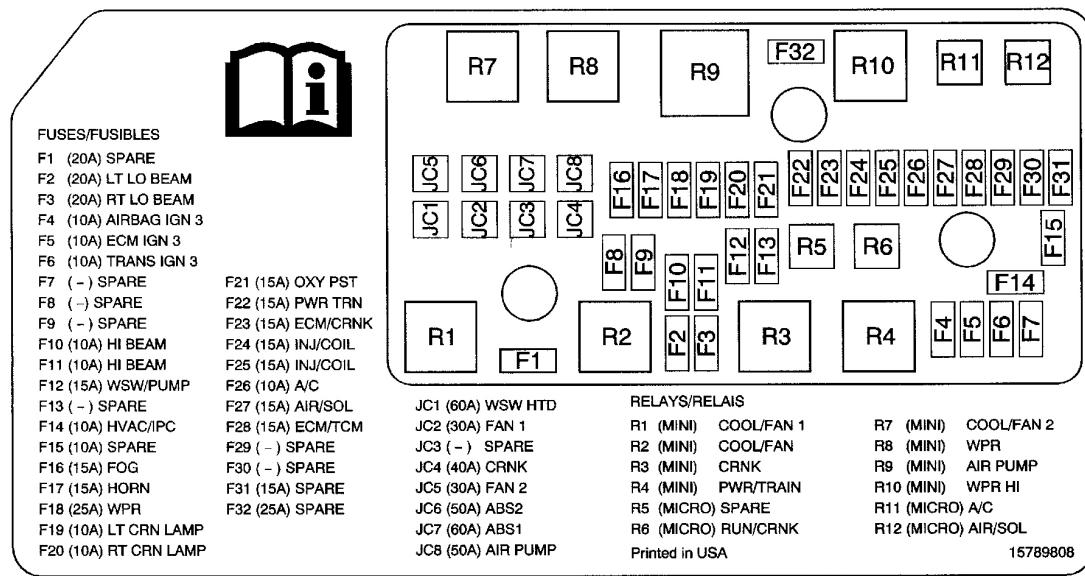
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Fig. 76: Behind Rear Bumper

Courtesy of GENERAL MOTORS CORP.



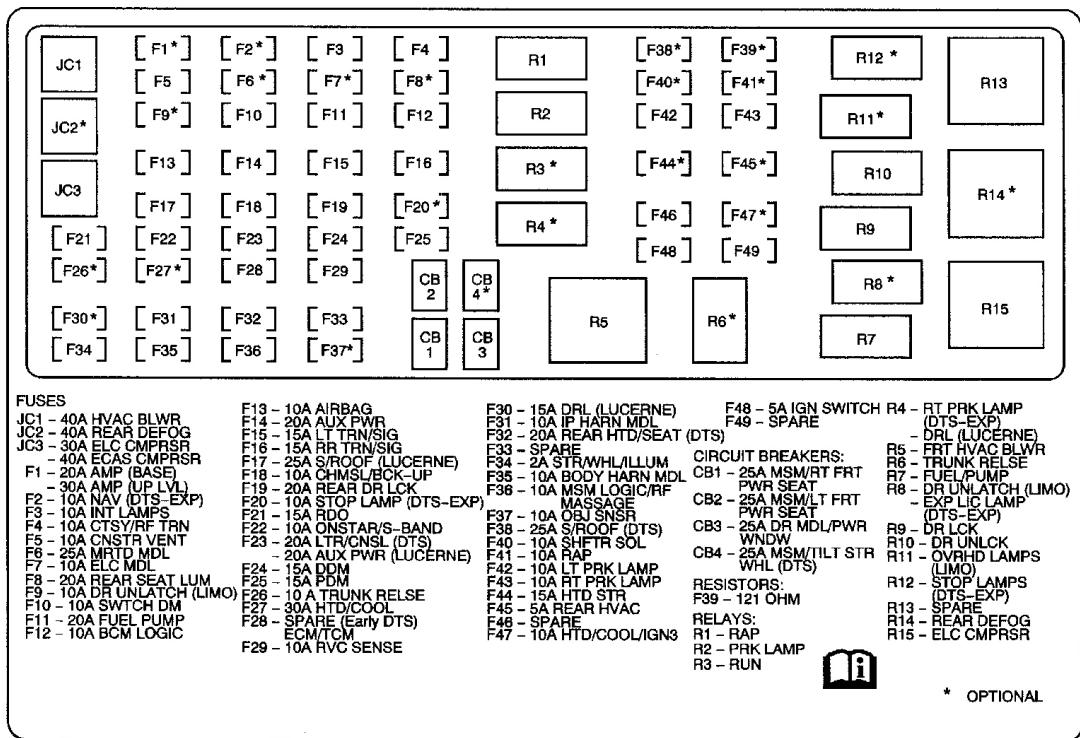
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Fig. 77: Underhood Fuse Block

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2006 Buick Lucerne CXS

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Fig. 78: Rear Fuse Block

Courtesy of GENERAL MOTORS CORP.